



Made in Germany

**megawood®**

# TECHNICAL BROCHURE

Important information  
for specialty retailers.

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# LIST OF ITEMS

megawood® decking

megawood® decking					
Art. no.	Profile	Art. name	Colour	Length cm	HxWmm
NOVO070-300-600FE		CLASSIC	natural brown	300, 360, 420, 480, 540, 600	21x145
NOVO071-300-600FE		CLASSIC	basalt grey	300, 360, 420, 480, 540, 600	21x145
NOVO073-300-600FE		CLASSIC	nut brown	300, 360, 420, 480, 540, 600	21x145
NOVO075-300-600FE		CLASSIC	slate grey	300, 360, 420, 480, 540, 600	21x145
NOVO076-300-600FE		CLASSIC	lava brown	300, 360, 420, 480, 540, 600	21x145
NOVO090-300-600FE		CLASSIC Jumbo	natural brown	420, 480, 600	21x242
NOVO091-300-600FE		CLASSIC Jumbo	basalt grey	420, 480, 600	21x242
NOVO093-300-600FE		CLASSIC Jumbo	nut brown	420, 480, 600	21x242
NOVO094-300-600FE		CLASSIC Jumbo	slate grey	420, 480, 600	21x242
NOVO095-300-600FE		CLASSIC Jumbo	lava brown	420, 480, 600	21x242
MWCV021195VB420-600		CLASSIC Varia	varia brown	420, 480, 600	21x195
MWCV021195VG420-600		CLASSIC Varia	varia grey	420, 480, 600	21x195
MWCV021195VS420-600		CLASSIC Varia	varia chocolate black	420, 480, 600	21x195
PS001-300-600FE		SIGNUM	muskat	300, 360, 420, 480, 540, 600	21x145
PS002-300-600FE		SIGNUM	tonka	300, 360, 420, 480, 540, 600	21x145
PJS090-300-600FE		SIGNUM	muskat	300, 360, 420, 480, 540, 600	21x242
PJS091-300-600FE		SIGNUM	tonka	300, 360, 420, 480, 540, 600	21x242
PD001-300-600FE		PREMIUM	natural brown	300, 360, 420, 480, 540, 600	21x145
PD002-300-600FE		PREMIUM	basalt grey	300, 360, 420, 480, 540, 600	21x145
PD003-300-600FE		PREMIUM	nut brown	300, 360, 420, 480, 540, 600	21x145
PJ090-300-600FE		PREMIUM Jumbo	natural brown	420, 480, 600	21x242
PJ091-300-600FE		PREMIUM Jumbo	basalt grey	420, 480, 600	21x242
PJ093-300-600FE		PREMIUM Jumbo	nut brown	420, 480, 600	21x242
PD004-300-600FE		PREMIUM PLUS	slate grey	300, 360, 420, 480, 540, 600	21x145
PD005-300-600FE		PREMIUM PLUS	lava brown	300, 360, 420, 480, 540, 600	21x145
PJ094-300-600FE		PREMIUM PLUS Jumbo	slate grey	300, 360, 420, 480, 540, 600	21x242
PJ095-300-600FE		PREMIUM PLUS Jumbo	lava brown	300, 360, 420, 480, 540, 600	21x242
DY110-360-600FE		DYNUM	cardamom	360, 420, 480, 540, 600	21x242
DY120-360-600FE		DYNUM	nigella	360, 420, 480, 540, 600	21x242
DY210-360-600FE		DYNUM	cardamom	360, 420, 480, 540, 600	25x293
DY220-360-600FE		DYNUM	nigella	360, 420, 480, 540, 600	25x293
MWFP021295IN240-300		LITUM decking board	ingwer	239.5, 300	21x295
MWFP021295SG240-300		LITUM decking board	sel gris	239.5, 300	21x295
MWFP021295LO240-300		LITUM decking board	lorbeer	239.5, 300	21x295
NOVO004-360FE		Construction beams	grey	360	40x60
KP001-360GR		Construction beams	grey	360	90x90
KP010-360FE		Connecting clip for construction beams 40x60mm	grey	360	28x76









# LIST OF ITEMS

megawood® decking

megawood® accessories decking assembly				
Art. no.	Profile	Art. name	Colour	LxWxH mm
NOVO017-0110 NOVO017-0111		Locking clamp, blackened, one-piece, 50 pcs./pack 250 pcs./pack	V2A V2A	66x24x27 66x24x27
NOVO007-0120		Locking clamp edge, blackened one-piece, 25 pcs./pack	V2A	66x18x27
NOVO007-011 NOVO007-012		Clip, 50 pcs./pack Edge clip, 25 pcs./pack	black	35x24x7.7 35x21x7.7
NOVO017-14 NOVO017-15		Groove strip, 25 m/roll Groove strip, 100 m/roll	black black	21x12 21x12
NOVO017-21		Groove bridge, 20 pcs. for construction beams	V2A	55x10x8
NOVO008-402 NOVO008-403 NOVO008-404		House connection profile, aluminium House connection profile, aluminium House connection profile, aluminium	bronze silver anthracite	4,000x45x55 4,000x45x55 4,000x45x55
NOVO008-405 NOVO008-406 NOVO008-407		Miter profile, aluminium Miter profile, aluminium Miter profile, aluminium	bronze silver anthracite	4,000x50x25 4,000x50x25 4,000x50x25
NOVO007-21		Sealing tape for miter profile 20 mm, 8 m/roll		
NOVO016-01 NOVO016-11 NOVO016-21		Rubber pad Rubber pad Rubber pad	black black black	100x60x20 100x60x10 100x60x3
NOVO015-12		Self-adhesive retaining band 10 m/roll	black	10x12
NOVO007-013		Distance keeper, Mounting aid for decking	grey	60x16x20
NOVO007-28		Sub construction fixing screws TX 30 for cb 40x60 mm	galvanized	92x7.5
NOVO007-30		Sub construction fixing screws TX 30 for cb 90x90 mm	galvanized	132x7.5
NOVO007-03 NOVO007-031 NOVO007-032		Fixing clamp, 50 pcs./pack Fixing clamp, 250 pcs./pack Fixing clamp, 500 pcs./pack	black black black	38x23x13 38x23x13 38x23x13
NOVO007-04		Edge clamp, 25 pcs./pack	black	38x15x13
NOVO007-014		Zammer Mounting aid for one-piece locking clamp		275x15x65
MWZUNL000009ED		Rolli, additional part for Zammer Mounting aid for groove strip P5		47x47x70
MWBFFP000011ED NOVO007-05		Screw metric, M6x40 mm, 10 pcs./pack Screw set 4 x 35 mm, 25 pcs./pack	V2A black	M6x40 4 x 35 mm
MWLG105021ED200		Ventilation grilles Fastening: screw metric M6x40 mm	V2A	2,000x105x21

# LIST OF ITEMS

megawood® decking


megawood® accessories decking assembly				
Art. no.	Profile	Art. name	Colour	LxWxH mm
NOVO005-360FE		Smooth edge board CLASSIC	natural brown	3,600x17x72
NOVO006-360FE		Smooth edge board CLASSIC	basalt grey	3,600x17x72
NOVO019-360FE		Smooth edge board CLASSIC	nut brown	3,600x17x72
NOVO120-360FE		Smooth edge board CLASSIC	slate grey	3,600x17x72
NOVO119-360FE		Smooth edge board CLASSIC	lava brown	3,600x17x72
MWLE017072VB360		Smooth edge board CLASSIC Varia	varia brown	3,600x17x72
MWLE017072VG360		Smooth edge board CLASSIC Varia	varia grey	3,600x17x72
MWLE017072VS360		Smooth edge board CLASSIC Varia	varia chocolate black	3,600x17x72
NOVO118-360FE		Smooth edge board PREMIUM PLUS	slate grey	3,600x17x72
NOVO117-360FE		Smooth edge board PREMIUM PLUS	lava brown	3,600x17x72
NOVO121-360FE		Smooth edge board SIGNUM	muskat	3,600x17x72
NOVO122-360FE		Smooth edge board SIGNUM	tonka	3,600x17x72
DY200-360FE		Smooth edge board DYNUM	cardamom	3,600x17x72
DY201-360FE		Smooth edge board DYNUM	nigella	3,600x17x72
MWLE017072IN240		Smooth edge board LITUM	ingwer	2,395x17x72
MWLE017072SG240		Smooth edge board LITUM	sel gris	2,395x17x72
MWLE017072LO240		Smooth edge board LITUM	lorbeer	2,395x17x72
NOVO017-22		Fastening screw for smooth-edged board M8x80mm + washer + nut, 10 pieces	V2A	M8x80
NOVO016-110		megaclean cleaning emulsion 1L PET bottle		73x90x205


megawood® accessories impregnation for indoor use				
Art. no.	Profile	Art. name	Colour	LxWxH mm
NOVO016-113		megawood Indoor Protect 750ml can		Ø10x120
NOVO016-112		megawood Indoor Protect 2,5 L can		Ø14x190

# LIST OF ITEMS

## megawood® Fix Step

megawood® Fix Step system				
Art. no.	Profile	Art. name	Colour	LxWxH mm
NOVO017-02		Edge plate DUO for double construction beams 40x60 mm	black	280x252x71
NOVO017-04		Edge fixture DUO for double construction beams 40x60 mm	black	250x60x55
NOVO017-01		Standard plate for simple construction beams 40x60 mm	black	270x180x71
NOVO017-03		Edge fixture standard for simple construction beams 40x60 mm	black	116x60x55
NOVO017-05		Attachment piece elevated installation	black	79x58x63
NOVO017-07		Comfort pad elevated installation	black	79x58x20
NOVO017-08		Fix Step assembly clip 10 pcs., without screws	V2A	78x40x0
NOVO017-17		Rubber pad	black	300x300x3
NOVO017-18		Rubber pad	black	300x300x5
NOVO017-19		Rubber pad	black	300x300x10
NOVO017-20		Perforated tape 10 m/roll for Fix Step system	black	10,000x14x2
NOVO017-23		Fastening screw for perforated tape M6x16 mm + washer + nut; 10 pieces	V2A	M6x16
MWDHUK000006SW		Distanz Fix Spacers for heading joints	V2A black	162x54x20

megawood® accessories LITUM				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWBFFP000010SW		Arretier Fix for a height locking of the butt joints	V2A black	70x25x5

megawood® accessories LITUM / CLASSIC Varia				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWNL00000007SW		Groove strip P5, 25 m/roll	black	25,000x11x5.5
MWNL00000008SW		Groove strip P5, 100 m/roll	black	100,000x11x5.5

# LIST OF ITEMS

## megalite LED lighting system












megawood® accessories decking megalite LED lighting system				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWLL000021NW360		LED-Linear light horizontal, 3,600 mm, 27 W / 27lm/W = 729lm per Linear light	neutral white	3,600x62x21
MWLL000021NW480		LED-Linear light horizontal, 4,800 mm, 36 W / 27lm/W = 972lm per Linear light	neutral white	4,800x62x21
MWLL000021NW600		LED-Linear light horizontal, 6,000 mm, 45 W / 27lm/W = 1215lm per Linear light	neutral white	6,000x62x21
MWLL0000SRNW360		LED-Linear light vertical, 3,600 mm, 27 W / 27lm/W = 729lm per Linear light	neutral white	3,600x62x21
MWLL0000SRNW480		LED-Linear light vertical, 4,800 mm, 36 W / 27lm/W = 972lm per Linear light	neutral white	4,800x62x21
MWLL0000SRNW600		LED-Linear light vertical, 6,000 mm, 45 W / 27lm/W = 1215lm per Linear light	neutral white	6,000x62x21
MWSP000000NW034		LED-Spot Mini 34 mm, IP 67 24V DC (0.25 W/9 LED / 40lm/W = 10lm per Spot)	neutral white	Ø 34
MWSP000000NW060		LED-Spot Maxi, IP 67 24V DC (0.5 W/18 LED / 56lm/W = 28lm per Spot)	neutral white	Ø 60
MWNG0000030W24V		Power supply electronic ballast 24V DC IP 67, 30 W		270x30x17
MWNG0000000024V		Power supply electronic ballast 24V DC IP 67, 150 W		190x62x36,5
MWRP0000000024V		Repeater 24V IP 67, max. 72 W		160x79x55
MWFS0000000024V		Remote control set 24V IP 67, incl. remote control, transmission capacity max. 72 W		200x79x55 184x28x21.5
MWVL000000SW100		Extension cables IP 68, 1,000 mm	black / blue	1,000 mm
MWVL000000SW300		Extension cables IP 68, 3,000 mm	black / blue	3,000 mm
MWVL000000SW600		Extension cables IP 68, 6,000 mm	black / blue	6,000 mm
MWVT000000SW002		Distributor 2-fold, IP 68	black / blue	75x17.5x40
MWVT000000SW004		Distributor 40-fold, IP 68	black / blue	145x17.5x40
MWLM000000NW360		LED bulb, 3,600 mm, (27 W / 27lm/W = 729lm per bulb)	neutral white	3,565 mm
MWLM000000NW480		LED bulb, 4,800 mm, (36 W / 27lm/W = 972lm per bulb)	neutral white	4,765 mm
MWLM000000NW600		LED bulb, 6,000 mm, (45 W / 27lm/W = 1215lm per bulb)	neutral white	5,965 mm
MWAP000021MW360		Cover profile horizontal, 3,600 mm	matte white	3,600x62x10
MWAP000021MW480		Cover profile horizontal, 4,800 mm	matte white	4,800x62x10
MWAP000021MW600		Cover profile horizontal, 6,000 mm	matte white	6,000x62x10
MWAP0000SRMW360		Cover profile vertical, 3,600 mm	matte white	3,600x62x21
MWAP0000SRMW480		Cover profile vertical, 4,800 mm	matte white	4,800x62x21
MWAP0000SRMW600		Cover profile vertical, 6,000 mm	matte white	6,000x62x21
MWPR000000AL360		Aluminium profile, 3,570 mm	aluminium	3,570x58x21
MWPR000000AL480		Aluminium profile, 4,770 mm	aluminium	4,770x58x21
MWPR000000AL600		Aluminium profile, 5,970 mm	aluminium	5,970x58x21
MWEK000000AL000		End caps for Linear light 2 pieces + 4 screws	aluminium	15x58x17



The spots contain built-in LED lamps of energy efficiency classes A ++ to A.  
The LEDs can not be changed in the spotlight.

# LIST OF ITEMS









## LIMES fencing system







megawood® LIMES fencing system					
Art. no.	Profile	Art. name	Colour	Length cm	H x W mm
MWPR090090LA220		Circular posts	lava brown	220	Ø 90
MWPR090090SC220		Circular posts	slate grey	220	Ø 90
MWPR090090LA270		Circular posts	lava brown	270	Ø 90
MWPR090090SC270		Circular posts	slate grey	270	Ø 90
MWP8090090LA220		Octagonal posts	lava brown	220	90x90
MWP8090090SC220		Octagonal posts	slate grey	220	90x90
MWP8090090LA270		Octagonal posts	lava brown	270	90x90
MWP8090090SC270		Octagonal posts	slate grey	270	90x90
MWP4090090LA220		Square posts	lava brown	220	90x90
MWP4090090SC220		Square posts	slate grey	220	90x90
MWP4090090LA270		Square posts	lava brown	270	90x90
MWP4090090SC270		Square posts	slate grey	270	90x90
MWPF060090LA220		Oval posts	lava brown	220	60x90
MWPF060090SC220		Oval posts	slate grey	220	60x90
MWPF060090LA270		Oval posts	lava brown	270	60x90
MWPF060090SC270		Oval posts	slate grey	270	60x90
MWPW270035IN160		Paneel Augusta (wavy)	ingwer	160,2	270x35x5
MWPW270035SG160		Paneel Augusta (wavy)	sel gris	160,2	270x35x5
MWPW270035LO160		Paneel Augusta (wavy)	lorbeer	160,2	270x35x5
MWPW270035IN181		Paneel Augusta (wavy)	ingwer	180,5	270x35x5
MWPW270035SG181		Paneel Augusta (wavy)	sel gris	180,5	270x35x5
MWPW270035LO181		Paneel Augusta (wavy)	lorbeer	180,5	270x35x5
MWPW270035IN210		Paneel Augusta (wavy)	ingwer	210	270x35x5
MWPW270035SG210		Paneel Augusta (wavy)	sel gris	210	270x35x5
MWPW270035LO210		Paneel Augusta (wavy)	lorbeer	210	270x35x5
MWPG239006IN158		Paneel Colonia (smooth)	ingwer	158.4	239x6
MWPG239006SG158		Paneel Colonia (smooth)	sel gris	158.4	239x6
MWPG239006LO158		Paneel Colonia (smooth)	lorbeer	158.4	239x6
MWPG239006IN210		Paneel Colonia (smooth)	ingwer	210	239x6
MWPG239006SG210		Paneel Colonia (smooth)	sel gris	210	239x6
MWPG239006LO210		Paneel Colonia (smooth)	lorbeer	210	239x6
MWKB040112LA179		Bar	lava brown	178.6	40x112
MWKB040112SC179		Bar	slate grey	178.6	40x112
MWPF060090LA179		Oval bar	lava brown	178,6	60x90
MWPF060090SC179		Oval bar	slate grey	178,6	60x90
MWBF038030LA157		H-shaped profile bar (8 units)	lava brown	156,6	38x30
MWBF038030SC157		H-shaped profile bar (8 units)	slate grey	156,6	38x30
MWBF038030LA179		H-shaped profile bar	lava brown	178,6	38x30
MWBF038030SC179		H-shaped profile bar	slate grey	178,6	38x30
MWBF038030LA190		H-shaped profile bar	lava brown	190	38x30
MWBF038030SC190		H-shaped profile bar	slate grey	190	38x30
MWEW035177IN185		Fence set with stainless steel bar, comprising of:	ingwer	185	1,800x42
MWEW035177SG185		7 panels AUGUSTA (wavy) 1,805 mm	sel gris	185	1,800x42
MWEW035177LO185		2 stainless steel bars incl. post fastening 1,773 mm 1 insert bar for stainless steel bar 1,770 mm 1 accessories set for stainless steel bar	lorbeer	185	1,800x42



# LIST OF ITEMS


## LIMES fencing system accessories / construction wood system


megawood® LIMES fencing system accessories				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWBFKB000001SW		Bar connectors incl. M6x30 mm screws; 4 units	blackened	Ø 60
MWBFPA000002ED		Panel holder stainless steel, 16 units	stainless steel	Ø 34
MWBFPF000003ED		Base plate incl. 4 M8x80 mm screws	galvanized	120x120x10
MWBFHP000004ED		Pin 10 units, 6x40 mm	stainless steel	105x96x57
MWBFHP000005ED		Internal hexagonal screw for H-shaped profile bar incl. bit, 16 units	stainless steel	M4 x 40
MWRI042060ED177		Stainless steel bar	stainless steel	1,773x60x42
MWEL019023GR177		Insert bar for stainless steel bar	grey	1,770x23x19
MWBFRI000012ED		Assessories set for stainless steel bar incl. post fastening (4 units + accessories)	stainless steel	95x45x50


megawood® construction wood system					
Art. no.	Profile	Art. name	Colour	Length cm	H x W mm
KP004-360GRFE		Construction plank	basalt grey	360	40x112
KP005-360NUFE		Construction plank	nut brown	360	40x112
KP006-360BRFE		Construction plank	natural brown	360	40x112
KP009-360LBFE		Construction plank	lava brown	360	40x112
KP011-360SGFE		Construction plank	slate grey	360	40x112
KP012-420FE		Construction plank	basalt grey	420	40x145
KP013-420FE		Construction plank	nut brown	420	40x145
KP014-420FE		Construction plank	natural brown	420	40x145
KP015-420FE		Construction plank	lava brown	420	40x145
KP016-420FE		Construction plank	slate grey	420	40x145
MWKR090090LA360		Circular construction wood	lava brown	360	Ø 90
MWKR090090SC360		Circular construction wood	slate grey	360	Ø 90
MWK8090090LA360		Octagonal construction wood	lava brown	360	90x90
MWK8090090SC360		Octagonal construction wood	slate grey	360	90x90
MWK4090090LA360		Square construction wood	lava brown	360	90x90
MWK4090090SC360		Square construction wood	slate grey	360	90x90
MWKO090090LA360		Oval construction wood	lava brown	360	60x90
MWKO090090SC360		Oval construction wood	slate grey	360	60x90


# LIST OF ITEMS

## Construction wood system

megawood® bench				
Art. no.	Profile	Art. name	Colour	LxWxH mm
FS020-205		Bench	natural brown	1,800x960x690
FS020-203		Bench	basalt grey	1,800x960x690
FS020-202		Bench	nut brown	1,800x960x690
FS020-206		Bench	lava brown	1,800x960x690
FS020-207		Bench	slate grey	1,800x960x690

megawood® plant container				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWPK110110LA081		Plant container	lava brown	1,000x1,000x810
MWPK110110SC081		Plant container	slate grey	1,000x1,000x810

megawood® sandpits				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWSK120120LA030		Sandpits 1 xhexagonal	lava brown	1,200x1,200x300
MWSK120120SC030		Sandpits 1 xhexagonal	slate grey	1,200x1,200x300
MWSK120210LA030		Sandpits 2 xhexagonal	lava brown	1,200x2,100x300
MWSK120210SC030		Sandpits 2 xhexagonal	slate grey	1,200x2,100x300
MWSK210210LA030		Sandpits 3 xhexagonal	lava brown	2,100x2,100x300
MWSK210210SC030		Sandpits 3 xhexagonal	slate grey	2,100x2,100x300

megawood® door				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWTR004110LA185		Door, no filling, incl. fittings	lava brown	1,020x40x1,850
MWTR004110SC185		Door, no filling, incl. fittings	slate grey	1,020x40x1,850

megawood® frame				
Art. no.	Profile	Art. name	Colour	LxWxH mm
MWZR040145LA270		Frame, comprising of construction planks	lava brown	1,120x145x1,850
MWZR040145SC270		Frame, comprising of construction planks	slate grey	1,120x145x1,850

# CARE INSTRUCTIONS

## What to do about stains and spots?

Comprehensive and extensive testing in our lab has yielded the following results:

We exposed our boards for bare feet to the most common types of soiling and staining. The results have shown that plain water, commonly used cleaning tools, and a little patience are the best solution with normal stains. After cleaning with plain water and several days of light exposure, most of the stains were no longer visible. Always avoid stains due to fine dusts (such as soot and metal dust). These may permanently stain your floorboards.



# CARE INSTRUCTIONS



Naturally-occurring fibre content before treatment



Naturally-occurring fibre content after mechanical treatment with tools (e.g. Brass brush, chisel or by natural weathering)

## Naturally occurring bast fibre content

megawood® consists of up to 75 % wood fibre. This is specially treated, dried and added to the production process in a contained environment. The raw materials can contain small quantities of other natural fibres such as bast or skin fibre.

These particles can rise to the surface due to water absorption through weathering.

This should not exceed a maximum of 0,03 % of the surface area, while the particles' size should not exceed 0,5 cm<sup>2</sup>. These particles will dissolve over time through normal wear when the terrace is in use. They can also be removed mechanically with tools, without damaging the product.

Following the guidance of the EPLF (European Producers of Laminate Flooring), the accepted size of the particles is estimated from head height under direct vertical light.



water stain



after cleaning with water

## Water stains

Partially covered terraces can be subjected to water stains in the transitional area between the covered and the uncovered area. Rainwater is flushed over the terrace surface to the cover before it dries off later. This subjects dust particles to temporary moisture before they dry off and remain on the surface. This effect occurs only slightly in the uncovered area which is permanently subjected to sun and rain and it is normally caused by the conditions on site. This does not impair the quality and is therefore not deemed to be a ground for complaint. The water stains can normally be removed using water and conventional cleaning devices.

This effect lessens in time but cannot be entirely avoided.



megaclean 1litre

## Cleaning emulsion for megawood® barefoot boards

megaclean is a highly effective, biologically degradable concentrate with an emulsion effect. The extremely fast deep-acting water soluble degreasing product removes grease, oil, ink, coal, kerosene, rust and other stubborn stains.


megaclean only works at temperatures exceeding 15°C. If the cleaning attempts with water and megaclean prove to be unsuccessful, stubborn stains can also be eliminated with a brass brush. Due to that fact that the floor boards are completely coloured, the cleaned spot will be a little lighter to begin with. However, the colour will match the remaining surface once again within a few weeks. During application, please observe the dilution ratio of the product as an excessive concentration may lead to a bleaching of the floorboards.

Please follow the instructions on the packaging.



# CARE TIPS

## timeline

	Initial cleaning	7 days	14 days
Blackberry			
Coffee			
Mustard			
Ketchup			
Cream dressing			
Red wine			
Copper paste			
Soot, Oil			

# COLOUR DEVELOPMENT

## megawood® floorboards & visual protection elements

The very high dosing accuracy results in a very good homogeneity of the product. Our products are not produced in a discontinuous but a continuous process. The materials to be mixed are pressed into the mould using high pressure and a melt extruder. Rotating steel brushes are then used to remove the polymer surface that results in an optically textured wooden surface. The natural wood material contributes to our innovative product with its natural characteristics and properties. The visible colour variations can be caused by the reactions of the lignin.

Once finished, the product starts out with a bright glossy hue. Please note that this is a natural product and as such is subject to colour maturation due to exposure to light, temperature, and air. The processed wood shading darkens over the first week from a slightly yellowish glow to a deep, elegant colour hue. It is important that the floorboards for bare feet are installed in the direction of the grain (installation arrow) since the fibre orientation may otherwise result in a varying surface effect (lawnmower effect).

	A AFTER BEING INSTALLED			B DEPENDING ON INSOLATION 1-2 MONTH			C DEPENDING ON INSOLATION 6-8 MONTH			
	CLASSIC							SIGNUM		
A										
B										
C										
	NATURAL BROWN	NUT BROWN	BASALT GREY	LAVA BROWN	SLATE GREY	VARIA BROWN	VARIA GREY	VARIA CHOCOLATE-BLACK	MUSKAT	TONKA
	PREMIUM			PREMIUM PLUS		DYNUM		LITUM		
A										
B										
C										
	NATURAL BROWN	NUT BROWN	BASALT GREY	LAVA BROWN	SLATE GREY	CARDAMOM	NIGELLA	SEL GRIS	INGWER	LORBEER

The natural colour maturation is checked with accelerated weathering test and instruments. Sunlight and humidity is simulated with periodic changes; 1000 hours of weathering correspond with approx. one year of outdoor exposure.



Start



After 18,000 hours

The quality of our products is checked daily. The product is not forwarded to the shipping department until the quality inspection is complete.



## Environmental Product Declaration for WPC terrace floorboards and facade elements

An EPD (Environmental Product Declaration) is a multi-page document that describes the environmental impacts of building products based on an ecological assessment using quantitative data. The declaration is prepared by the manufacturer, tested at IBU (Institut Bauen und Umwelt e.V. [German Institute for Construction and Environment]) by independent verifiers based on the ISO 14025 and EN 15804 standards and is then subsequently published.

Environmental product declarations carry the information of the utilised building products that are required for a sustainability / environmental assessment on a building level. They contain information throughout the entire lifecycle, starting at the point of their manufacture, documentation of the base materials used for the product, the opportunities in terms of their processing and disposal as well as the detailed results of the product ecological assessments.

NOVO-TECH GmbH & Co. KG has also documented the environmental compatibility of its products by means of environmental product declarations (EPDs).



Together with the Association of the German Wood-Based Panel Industry, we are committed to sustainable construction by means of EPDs for WPC terrace floorboards and facade elements at IBU.

# IMPREGNATION

for indoor use

With megawood® indoor protect, we have, for the first time, developed a product that now also permits a true indoor application of barefootboards (such as conservatories) and protects your floorboards against staining. Soiling on megawood® floorboards installed outdoors does not represent a problem as the natural weathering, thanks to the fluctuation between sunlight (UV light) and watering (rain), breaks up the organic compounds and ensures that the patches more or less disappear within a few days or weeks. This weathering effect is not especially pronounced indoors. Only a slight application of megawood® indoor protect is required in order to achieve the desired effect. Furthermore, the colour of your terrace becomes more intense and a harmonious, natural wood appearance is achieved.

Please note that the impregnation may only take place on clean floorboards and should also be repeated where necessary. We recommend treating the decking prior to the first use.

The maintenance product is thinly and evenly applied to smooth surfaces using a sponge or cloth and is subsequently wiped away using a dry, soft textile cloth so that the excess indoor protect is fully removed.

The maintenance product is thinly and evenly applied to profiled surfaces using a brush and is subsequently wiped away using a dry, soft textile cloth so that the excess indoor protect is fully removed.



## Application for PREMIUM and PREMIUM PLUS barefootboards



## Application for CLASSIC barefootboards







akkreditiert durch die Deutsche Akkreditierungsstelle GmbH (DAkkS)

# PRÜFUNGSZEUGNIS

CT-14-06-23-3

**Produkt:** PNZ Megawood Indoor Protector

**Firma:** PNZ Produkte GmbH  
Eichstätter Straße 2-4a  
85110 Kipfenberg

**Auftrag:** Bestimmung ausgewählter Oberflächeneigenschaften

**Prüfmethodik:** Bestimmung des Migrationsverhaltens von Schwermetallen nach DIN EN 71-3 (2013:07)

**Prüfbericht:** 2514261 vom 02. Juni 2014

**Prüfergebnis:** *Migrationsverhalten*

Das getestete Produkt hält die Anforderungen an die Konzentrationen eluierbarer Schwermetalle Aluminium (Al), Antimon (Sb), Arsen (As), Barium (Ba), Bor (B), Cadmium (Cd), Kobalt (Co), Chrom (Cr), Kupfer (Cu), Quecksilber (Hg), Mangan (Mn), Nickel (Ni), Blei (Pb), Selen (Se), Zinn (Sn), Strontium (Sr) und Zink (Zn) entsprechend DIN EN 71-3 (2013:07) Klasse III vollständige ein.

Dresden, 23. Juni 2014

*i. d. R. R. R.*

Leiter des Prüflaboratoriums



*R. K. K. K.*

verantwortlicher Bearbeiter

# QUALITY STANDARDS

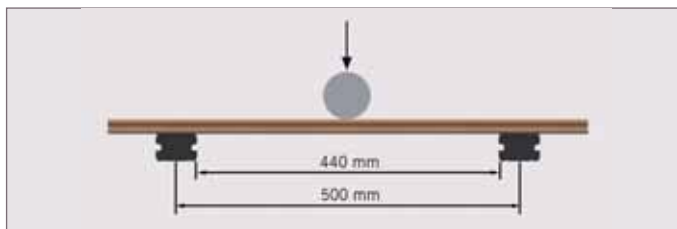
megawood® barefootboards

## 1. Mechanical characteristics CLASSIC, CLASSIC Varia, SIGNUM, PREMIUM, PREMIUM Plus und DYNUM

### Three-point bending:

Bearing distancer: 440 mm  
Test speed: 20 mm/min  
Breaking load: 3,400 N\*

\* 3,400 N equals  $\approx$  340 kg/board at a maximum distance of 50 cm between the supporting beams.

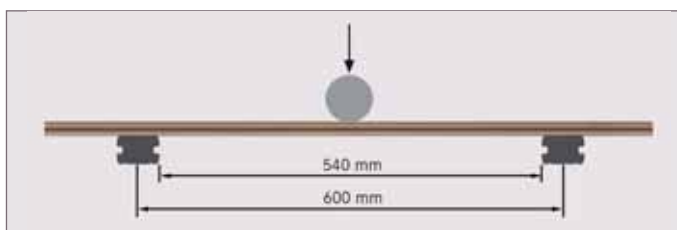


## 1. Mechanical characteristics LITUM composite decking boards

### Three-point bending:

Bearing distancer: 540 mm  
Test speed: 20 mm/min  
Breaking load: 3,400 N\*

\* 3,400 N equals  $\approx$  340 kg/board at a maximum distance of 60 cm between the supporting beams.

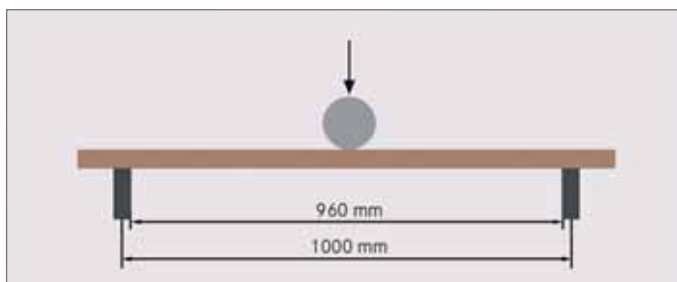


## 2. Mechanical characteristics construction plank 40x112 mm

### Three-point bending:

Bearing distancer: 960 mm  
Test speed: 20 mm/min  
Breaking load: 3,400 N\*

\* 3,400 N equals  $\approx$  340 kg/board at a maximum distance of 100 cm between the supporting beams.

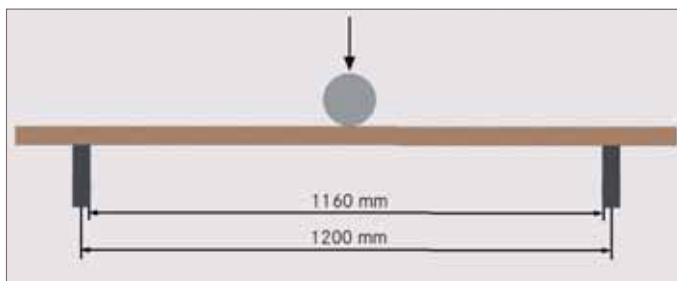


## 3. Mechanical characteristics construction plank 40x145 mm

### Three-point bending:

Bearing distancer: 1,160 mm  
Test speed: 20 mm/min  
Breaking load: 3,400 N\*

\* 3,400 N equals  $\approx$  340 kg/board at a maximum distance of 120 cm between the supporting beams.



## 4. Permissible dimension change after water absorption

Permissible dimension change after water absorption\* megawood® barefootboards

Dimension	Measuring point	Permissible dimension change Guaranteed values	Notes
Length	Maximum value	Board length 300 cm $\leq$ 9.0 mm Board length 360 cm $\leq$ 10.8 mm Board length 420 cm $\leq$ 12.6 mm Board length 480 cm $\leq$ 14.4 mm Board length 540 cm $\leq$ 16.2 mm Board length 600 cm $\leq$ 18.0 mm $\leq$ (3 mm/m)	Pay attention to distances of fixed component parts
Width (max. 295 mm)	Middle of board	max. $\leq$ 0.9 mm	
Thickness (max. 25 mm)	Middle of board	max. $\leq$ 0.5 mm	

\* with outdoor exposure and installation acc. to assembly instructions

# TECHNICAL INFORMATION

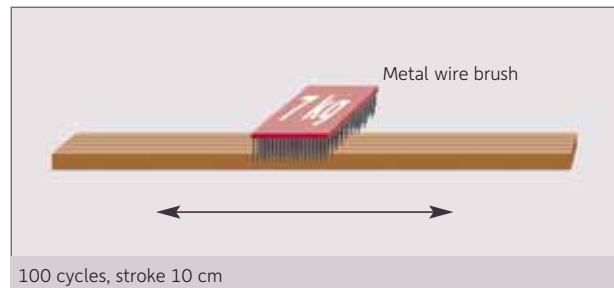
## megawood® barefootboards

### megawood® barefootboard and Bangkirai

#### Abrasion resistance comparison test



#### Abrasion resistance test conditions



#### Material description

megawood® is a polymer-bonded wood material and contains of up to 75 % wood fibres, high-value polymers, suitable additives and colorants.

#### Distinctive characteristics and advantages

- High resistance against external environmental impacts
  - Easy to work with same as normal wood
  - Installed with clamp system
  - Environment-friendly and recyclable
  - Up to 75 % renewable raw materials
  - Dyed throughout and surface-ready
  - Resistant to mould fungus
- IHD-Standart 20-25 (2006)

Technical data				
Characteristics		Measuring unit	megawood® <sub>1</sub>	Quality seal class <sub>2</sub>
Density		g/cm <sup>3</sup>	1.2	
Breaking strength*)		N	≥ 3,400	≥ 3,200
Bending at 500 N		mm	≤ 1.8	≤ 2.0
Swelling after cold water storage (28 days)	Volume	Weight %	≤ 2.0	≤ 9.0
	Lengthwise	%	≤ 0.3	≤ 0.45
	Width	%	≤ 0.3	≤ 1.0
	Thickness	%	≤ 1.7	≤ 4.5
Skid resistance	Friction coefficient		≥ 0.43	0.43
Thermal flexural behaviour		mm	≤ 10	≤ 10
Behaviour under alternating load		%	≤ 20	≤ 20
Thermal expansion coefficient		10 <sup>-6</sup> / K	15.6	≤ 40

These values have been determined with test specimens and may vary depending on production. They are therefore only approximate values.

\*) This value applies to single floorboard upon centre distance between support points (mid of support) of 50 cm!

1) Averages for megawood® barefootboards.

2) Minimum requirements to achieve the seal of approval, conform to the EU Safety Standard EN 15534-1 and the EU product standard EN 15534-4.

Production-related measure tolerances megawood® barefootboards		
	Specifications	Tolerance zone
Profile length	300, 360, 420, 480, 540, 600 cm	±0.0 / + 10.0 mm
Profile length	339.5 cm	±0.0 / + 0.5 mm
Profile width	145 mm, 195 mm, 242 mm, 293 mm	-2.0 / + 1.0 mm
Profile thickness	21 mm, 25 mm	-1.0 / + 1.0 mm

# TEST REPORT

Fraunhofer Institut for Mechanics of Materials



**Fraunhofer**  
**Institut**  
**Werkstoffmechanik**

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Novo-Tech GmbH & CoKG  
Mr. Sasse

Institutsleiter  
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[Steffen.Meinicke@iwmh.fraunhofer.de](mailto:Steffen.Meinicke@iwmh.fraunhofer.de)

Halle, 15.03.2006

## Test report

Dear Mr. Sasse,

below you can find your floorboard characteristic values (samples taken from production dated 26.01.2006 and 28.01.2006) determined in-house by our company.

### 1. Determination of thermal expansion coefficient

The determination of the thermal coefficient has been carried out acc. to DIN EN 13471. The determination of the characteristic values has three directions using a non-contact measuring system. The measurement has been executed within a temperature range of 25°C to 80°C.

The expansion has been measured at the profile surface in length (extrusion direction) and width (laterally to extrusion direction), as well as the profile cross-section width and thickness [depth] of profile).

Vorstand der Fraunhofer-Gesellschaft  
Univ.-Prof. Dr. Ing. habil. Prof. e.h. Dr. h.c.  
Hans-Jörg Bullinger, Präsident  
Dr. rer. pol. Alfred Gossner  
Dr. jur. Dirk-Meints Polter  
Prof. Dr. Dennis Tschritzis

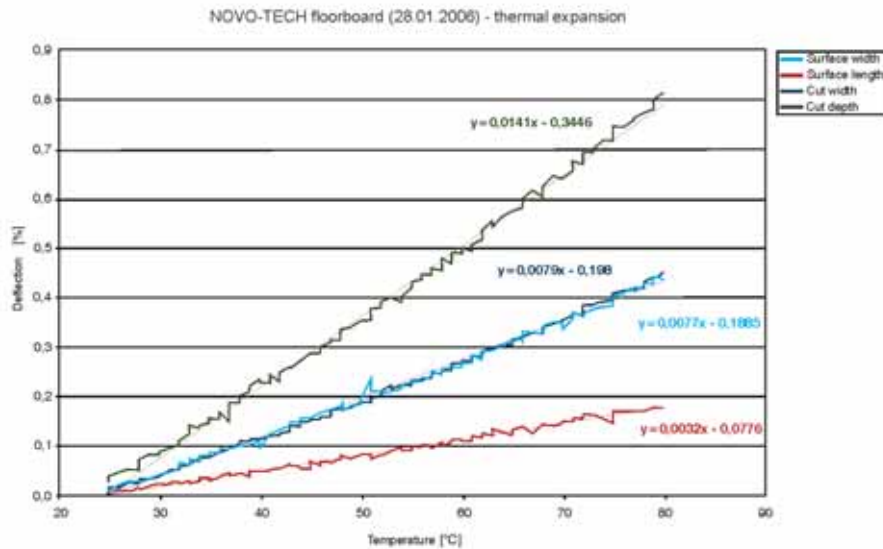
Fraunhofer-Gesellschaft zur Förderung  
der angewandten Forschung e.V. München

Bankverbindung: Deutsche Bank, München  
Konto 7521933 BLZ 700 700 10  
IBAN: DE86 7007 0010 0752 1933 00.  
BIC (Swift-Code): DEUTDFMM



# TEST REPORT

Fraunhofer Institut for Mechanics of Materials



## 2. Determination of water absorption and thickness swelling

Determination of thickness swelling after water absorption following DIN EN 317 has been carried out with test specimens prepared from the component part (profile with 145 mm length). The samples have been stored in resting water (pH-value 7 +/- 1) at (20 +/- 2)° C. The swelling measurement is taken at the following times: 1d, 7d, 14d, 28d, 42d. The water absorption is determined gravimetrically (times same as with swelling).

[d]	Floorboard 26.01. [mm]		water absorption
	1	b	[%]
0	145.02	145.58	0.0
1	145.05	145.70	0.9
7	145.16	145.89	2.9
14	145.45	146.15	4.3
21	145.39	146.19	5.2
28	145.49	146.42	5.9
40	145.68	146.72	7.1

[d]	Floorboard 28.01. [mm]		water absorption
	1	b	[%]
0	145.15	145.41	0.0
1	145.10	145.45	1.0
7	145.25	145.65	2.9
14	145.35	145.78	4.4
21	145.41	145.91	5.3
28	145.47	146.09	5.8
40	145.51	146.30	7.0

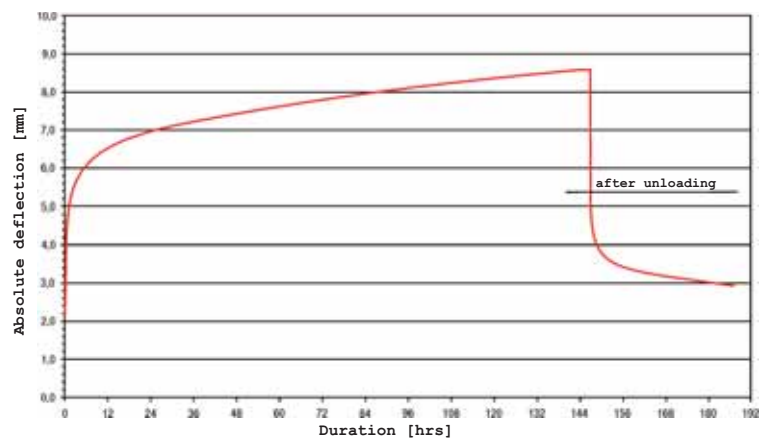
# TEST REPORT

Fraunhofer Institut for Mechanics of Materials

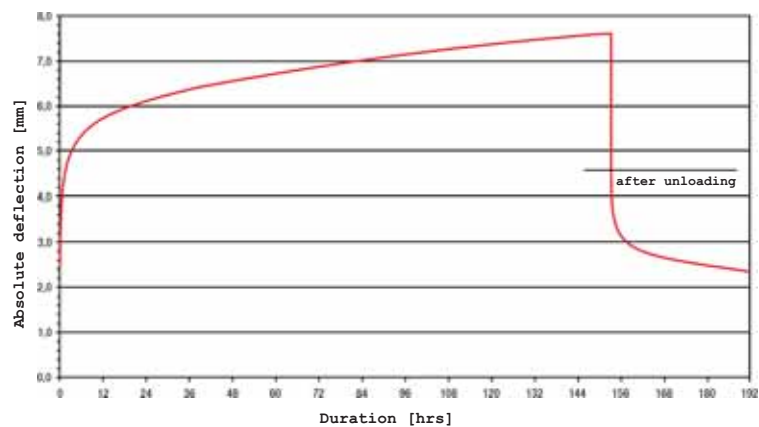
### 3. Determination of bending creep behaviour at increased temperature

The creep behaviour has been determined according to DIN ISO 899-2 using a bending creep test with a three-point bending procedure. The measurement has been executed in a climatic chamber. The test has been carried out within a period of 150 hours and at 50° C as well as 50% r.H. The support distance was 440 mm. The samples have been impinged with a constant load of 100 kg. The following table lists the test results.

Floorboard  
NOVO-TECH NP 2801  
(creep test)



Floorboard  
NOVO-TECH NP 2601  
(creep test)



### 4. Determination of E modulus in 3-point bending test

To determine the E-modulus, breaking strength and maximum deflection, a 3-point test with a support distance of 440 mm has been conducted with profiled parts 550-mm in length.

Sample	E-modulus [N/mm <sup>2</sup> ]	max. strength [N]	max. deflection [mm]
26.01.2006	3576	3643	14
28.01.2006	3392	3514	14
14.02.2006	3489	3544	26
15.02.2006	3467	3570	26

If there are any questions concerning this test report, please do not hesitate to contact me.

Sincerely yours

Steffen Meinicke

# TEST REPORT

Fraunhofer Institut for Mechanics of Materials



Entwicklungs- und Prüflabor  
Holztechnologie GmbH

Zellescher Weg 24  
01217 Dresden · Germany

Telefon +49 351 4662 0  
Telefax +49 351 4662 211

E-mail eph@ihd-dresden.de  
Internet www.eph-dresden.de

Entwicklungs- und Prüflabor Holztechnologie GmbH · Zellescher Weg 24 · 01217 Dresden

**NOVO-TECH GmbH & Co. KG**  
Siemensstraße 31  
06449 Aschersleben

Dresden, 26.03.2012  
70-em/pe

## Test Report Job Number 272113/1

**Client:** NOVO-TECH GmbH & Co. KG  
Siemensstraße 31  
06449 Aschersleben, Germany

**Job from:** 05.03.2012/21.03.2012

**Job:** Slip resistance test in accordance with DIN 51130 on  
WPC floorboards

**Contractor:** EPH - Surface Testing Laboratory Area (ST)

**Resp. processor:** Dipl.-Ing. (FH) M. Peter

Dr.-Ing. R. Emmeler  
Head of the Surface Testing Laboratory Area

The test report contains 3 pages. Reproduction of part of this document requires written permission from EPH. The rest results exclusively relate to the tested materials.

Geschäftsführer:  
Dr.-Ing. Bernd Devantier  
Amtsgericht Dresden HRB 8072

Commerzbank AG  
Konto-Nr.: 04 002 982 00  
BLZ: 850 800 00



akkreditiert durch:  
**DAKKS**  
Deutsche  
Akkreditierungsstelle  
D-PL 11054-01-00

# TEST REPORT

225 009

## 1. Test of resistance to mould fungi

### 1.1 Test information

#### Test principle:

Shaped test specimens have been exposed to mould fungi attack by inoculating defined mixture of spores. Because test material is intended for outdoor use, one portion of test specimens was put to strain by washing-out prior to biological test. In order to simulate nutrient dragging by pollution in practise, testing additionally has been executed under intensified conditions, i.e. by adding a nutrient solution. The test formulations have been incubated for four weeks under conditions that support growing and germinating of mould fungi. The evaluation of mould fungi vegetation as test criterion has been carried out after 7, 14 and 28 days according to defined bonitation key.

#### Test variants:

- Standard test without nutrient solution without aging
- Standard test without nutrient solution and strain of washing-out
- Intensified test with nutrient solution without aging
- Intensified test with nutrient solution and strain of washing-out

#### Underlying test procedure:

The test has been carried out in accordance with IHD Standard [Institute for Wood Technology Dresden] 20-25 (2006): "Test of resistance to mould fungi of construction and wood materials" based on EN 60068-2-10:2005 "Environmental influences - Parts 2-10: Test procedures - Test J and guideline: mould growth" (IEC 60068-2-10:2005).

#### Tested fungi:

*Aspergillus niger*, *Paecilomyces variotii*, *Penicillium funiculosum*, *Trichoderma viride*, *Chaetomium globosum*

#### Cultivation conditions:

28 days' incubation in incubator at 29°C and 95 % relative air humidity

#### Sterilisation procedure:

Pressure cooker (100°C, 2 x)

#### Aging strain prior to test:

Saturation without vacuum during 7 days with 6 times water exchange (following DIN EN 84)

#### Test specimen dimensions:

Test material: 50x20x5 mm<sup>3</sup>

Reference material: 50x25x15 mm<sup>3</sup> (pine splint), 60x60x20 mm<sup>3</sup> (MDF)

#### Date of test specimen installation / removal:

26.01.2006 / 23.02.2006



## 1.2 Results

Table 3: Test **without prior strain of washing-out**:

Vegetation on test specimen top surface after 28 days (Average values each time from 6 individual values)

No.	Material	Average rating number			
		External infection		Self infection	
		Standard-test	Intensified test	Standard-test	Intensified test
1)	WPC H40-05, grey	1	1	1	1
2)	WPC H41-05, brown	1	1	1	1
3)	Bangkirai	1	3	1	3

Table 4: Test **after prior strain of washing-out**:

Vegetation on test specimen top surface after 28 days (Average values each time from 6 individual values)

No.	Material	Average rating number			
		External infection		Self infection	
		Standard-test	Intensified test	Standard-test	Intensified test
1)	WPC H40-05, grey	1	1	1	1
2)	WPC H41-05, brown	1	1	1	1
3)	Bangkirai	1	3	1	3

Evaluation scheme:

0 No mould fungi detectable on the test specimen surface upon examination under reflected-light microscope at 50-fold enlargement.

1 Mould fungi not or barely detectable with unaided eye; however, clearly at 50-fold enlargement detectable.

2 Mould fungi vegetation clearly detectable with unaided eye and clearly lower than on comparison test specimen.

3 Mould fungi vegetation clearly detectable with unaided eye and equal to or stronger than on comparison test specimen.

Table 5: Wood humidity after test **without prior strain of washing-out**

(average values each time from 6 individual values)

No.	Material	Average rating number			
		External infection		Self infection	
		Standard-test	Intensified test with nutrient solution	Standard-test	Intensified test with nutrient solution
1)	WPC H40-05, grey	13.7	13.3	12.0	13.1
2)	WPC H41-05, brown	12.0	11.7	11.4	12.1
3)	Bangkirai	21.6	21.3	19.3	20.2
4)	Ref. pine splint	26.9	27.4	26.8	27.0
5)	Ref. light MDF	26.4	26.2	29.2	25.1

# TEST REPORT

225 009

Table 6: Wood humidity after test **with prior strain of washing-out**  
(average values each time from 6 individual values)

No.	Material	Average rating number			
		External infection		Self infection	
		Standard-test	Intensified test with nutrient solution	Standard-test	Intensified test with nutrient solution
1)	WPC H40-05, grey	13.7	14.9	13.5	12.6
2)	WPC H41-05, brown	13.1	12.7	12.1	12.3
3)	Bangkirai	21.7	20.9	20.4	21.6
4)	Ref. pine splint	27.2	27.6	27.1	27.4
5)	Ref. light MDF	25.3	26.3	26.9	27.6

## 1.5 Evaluation / summary

As a result of structure and colour of WPC material, mould fungi vegetation was not detectable with unaided eyes (Fig. 3). Inspection under reflected-light microscope, however, has provided evidence, that mould fungi were grown on tested variants "H40-05" and "H41-05" (Fig. 5 to 11), but at a clearly lower level than on both comparison test specimens from MDF and pine splint. The vegetation on Bangkirai was low with standard tests and strong with intensified test conditions when additional nutrients were supplied. The strain of washing-out on WPC and Bangkirai had no significant influence on resistance to mould fungi.

### Evaluation of resistance to mould fungi is based on following scheme:

(IHD works standard VA20-25):

Bonitation level	Field of application	
	Internal area <sup>1)</sup>	External area <sup>2)</sup>
0	resistant	resistant
1	reduced resistant	resistant
2	not resistant	reduced resistant
3	not resistant	not resistant

<sup>1)</sup> All areas, where material is in contact with room air of restrooms

<sup>2)</sup> All areas, which do not comply with internal area's definition

Because the tested materials are terrace covering for external area, result of test variant "Intensified Test with strain of washing-out" will be used for final evaluation: According to that, WPC variants "H40-05" and "H41-05" have proved resistant to mould fungi for outdoor use, however, Bangkirai by contrast was not resistant.

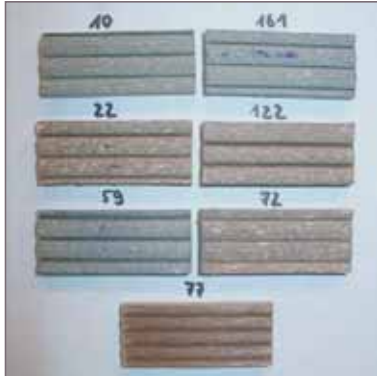


Dresden, 28.02.2006

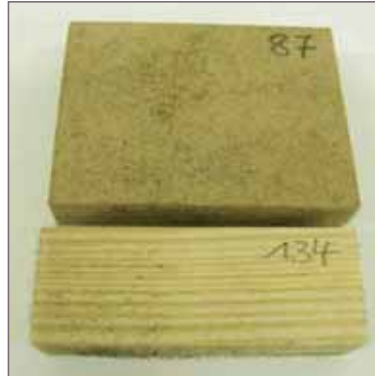
Katharina Plaschkies, Master's in Biology

Responsible person in charge

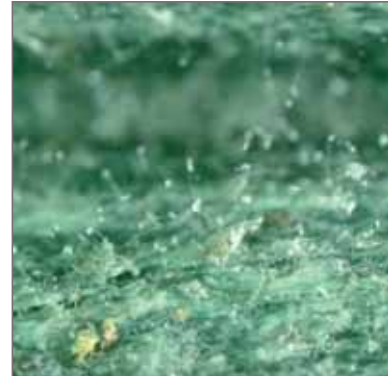
## 1.4 Photos



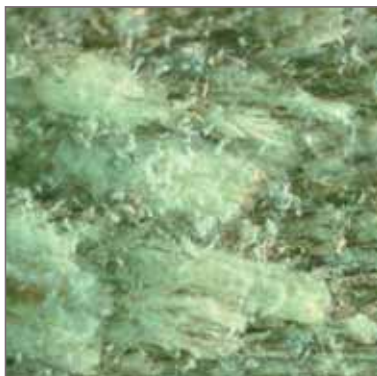
**Fig. 3:** Selected test specimen after mould fungi test: no vegetation macroscopically detectable



**Fig. 4:** Reference test specimen after mould fungi test: vegetation clearly detectable (above: MDF, below: pine splint)



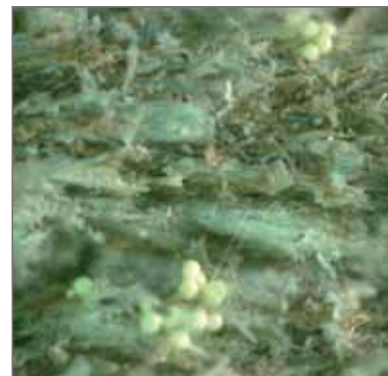
**Fig. 5:** Mould fungi on test specimen 10 (H40), 40-fold enlargement



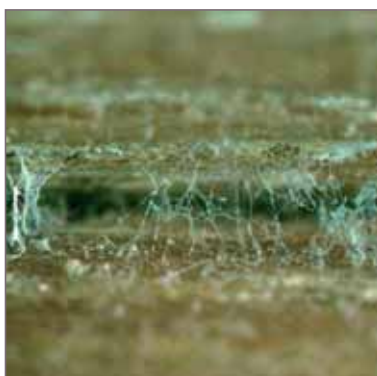
**Fig. 6:** Mould fungi on test specimen 22 (H41), 40-fold enlargement



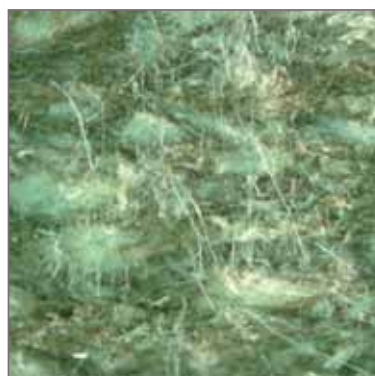
**Fig. 7:** Mould fungi on test specimen 59 (H40), 40-fold enlargement



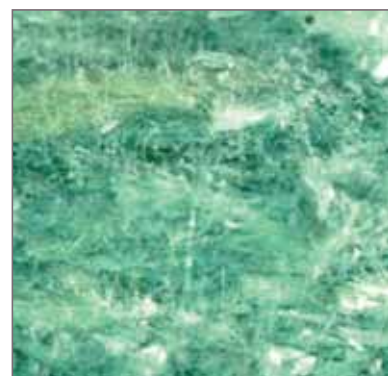
**Fig. 8:** Mould fungi on test specimen 72 (H41), 70-fold enlargement



**Fig. 9:** Mould fungi on test specimen 77 (Bangkirai), 50-fold enlargement



**Fig. 10:** Mould fungi on test specimen 122 (H41), 40-fold enlargement



**Fig. 11:** Mould fungi on test specimen 161 (H40), 40-fold enlargement

# TECHNICAL SAFETY INFORMATION

## 1.) Material/Manufacturer Designation

Product designation:

Material/substance type:

Use:

Manufacturer:

**megawood®**

Polymer bonded wood material

Production of extruded profiles and injection moulding elements

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## 2.) Chemical Composition/Information about Components

Composition:

Cellulose	CAS-Nr.: 9004-34-6	30 – 40 %
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Hemicellulose	CAS-Nr.: 9025-53-2	18 – 24 %
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Lignin	CAS-Nr.: 9005-53-2	12 – 16 %
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HDPE	CAS-Nr.: 9002-88-4	10 – 40 %
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## 3.) Possible Hazards

No risks to health and environment if used and handled appropriately.

## 4.) First Aid Measures

No special measures required.

## 5.) Fire Prevention Measures

Suitable extinguishing agents:

Water spray, foam, CO<sub>2</sub>, powder

## 6.) Measures in Case of Unintentional Release:

For people:

No special measures required

Cleaning:

Absorb mechanically (e.g. vacuuming)

## 7.) Handling and Storage

Storage:

Smoking prohibited in storage area.

Fire protection measures:

No open flame.

Handling:

To avoid electrostatic discharges, the production and transport equipment should be made from electrically conductive material and be well earthed.

With thermal processing:

Extract vapours and/or ensure working areas are sufficiently ventilated.

## 8.) Exposure Limit and Personal Protective Equipment

Work hygiene:

Comply with general protective and hygiene measures:

Always wash hands before eating, drinking, smoking or using the W.C..

General safety measures:

Ensure that working areas are sufficiently ventilated and have adequate extraction systems.

Skin protection / Eye protection:

Not required

## 9.) Physical and Chemical Properties

Form:

Wood-polymer optics

Colours:

Brown, black, multicoloured

Odour:

Woody

pH value (with 100g/l H<sub>2</sub>O and 20°C):

4,5 – 6,5

Melting point:

Not applicable

Fire protection classification:

Flame retardant material according to DIN EN 13501-1:2010,

Classification normal: D<sub>fl</sub>-s1 (old B2)

Classification difficult: C<sub>fl</sub>-s1

Boiling point (1013 hPa):

Not applicable

Flashpoint:

Not applicable

Ignition point:

Approx. 420°C (DIN 51 795)

Explosion limits:

Not applicable

# TECHNICAL SAFETY INFORMATION

Migration:	Toy fitness after DIN EN 71-3
Vapour pressure (20°C):	Not applicable
Density (20°C):	>1.3 kg/m <sup>3</sup>
Solubility in water (20°C):	Insoluble
Product designation:	Polymer bonded wood material

## 10.) Stability and Reactivity

Stability:	Product is stable under normal conditions. Thermal decomposition starts at approx. 180°C.
Dangerous reactions:	None known.
Hazardous decomposition products:	Incomplete combustion releases carbon monoxide and possibly other hazardous substances such as soot, for example.

## 11.) Allergens

The product does not contain any of the 14 allergen materials that are subject to mandatory declaration in accordance with the EU Food Information Regulation 1169/2011.

## 12.) Toxicological Information

No damaging effects when handled appropriately

## 13.) Ecological Information

The product is a wood polymer mixture insoluble in water with no negative environmental impact on ecosystems. Up to 75 % of the product is made from renewable resources.

## 14.) Disposal Notes

According to the European Waste Catalogue (EWC), wood PE belongs to the group of wastes from wood processing and the manufacturing of boards and furniture and to the waste type of sawdust, chips, cut waste, wood, chipboard and veneers without toxic substances, **Code 03 01 05**. The product can be recycled 100 % using suitable process technology. The product must be disposed of in accordance with disposal and treatment rules and regulations of the local authorities (e.g. waste incineration, waste dumps).

## 15.) Transport Information

Not subject to mandatory labelling/marketing acc. to Directive 67/548/EEC, the Hazardous Substances Ordinance (GefStoffV) and other rules and regulations. Not a hazard acc. to applicable transport rules and regulations.

## 16.) Wind load strain of terrace surfaces

Lifting loads caused by wind suction must be taken into consideration when dealing with terrace floorboards that are laid parallel to the supporting construction. Dead weight in combination with the respectively designed sub-construction must compensate for these lifting loads. Depending on the plank thickness and the associated sub-construction, no lifting of the planks is expected in normal areas. Prevention against lifting must be planned on the basis of the guidelines and standards in exposed terrace areas, in the event of special boundary conditions as well as in particularly high locations.

## 17.) Rules and Regulations

EEC marking:	Not subject to mandatory marking acc. to EEC rules and regulations.
Hazard symbols, R-phrases and S-phrases:	Not required.
Water pollution class:	WPC 0 (not hazardous).

## 18.) Additional Information

The information supplied here corresponding with current findings, knowledge, and experiences, are to describe the product's safety aspects. However, this information is not associated with any warranty or guarantee of product properties. This product safety sheet was prepared according to the second revision of Directive 91/155/EEC based on Directive 2001/58/EU of the commission dated July 27, 2001.

This safety data sheet applies to the following: **megawood®** Polymer bonded wood material  
Rev. Level: 20.08.2018



# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® decking

megawood® CLASSIC (21x145 mm)				package content 98 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
300	294.00	9.51*	42.63	931.98*
360	352.80	11.41*	51.16	1,118.38*
420	411.60	13.31*	59.68	1,304.77*
480	470.40	15.22*	68.21	1,491.17*
540	529.20	17.12*	76.73	1,677.56*
600	588.00	19.02*	85.26	1,863.96*

megawood® CLASSIC Jumbo (21x242 mm)				package content 56 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
420	235.20	24.36*	56.92	1,364.16*
480	268.80	27.84*	65.05	1,559.04*
600	336.00	34.80*	81.31	1,948.80*

megawood® Varia (21x195 mm)				package content 60 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
420	252.00	21.13*	49.14	1,267.56*
480	288.00	24.14*	56.16	1,448.64*
600	360.00	30.18*	70.20	1,810.80*

megawood® SIGNUM (21x145 mm)				package content 84 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
300	252.00	10.74*	36.54	902.16*
360	302.40	12.89*	43.85	1,082.59*
420	352.80	15.04*	51.16	1,263.02*
480	403.20	17.18*	58.46	1,443.46*
540	453.60	19.33*	65.77	1,623.89*
600	504.00	21.48*	73.08	1,804.32*

megawood® SIGNUM (21x242 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
300	144.00	18.60*	34.85	892.80*
360	172.80	22.32*	41.82	1,071.36*
420	201.60	26.04*	48.79	1,249.92*
480	230.40	29.76*	55.76	1,428.48*
540	259.20	33.48*	62.73	1,607.04*
600	288.00	37.20*	69.70	1,785.60*

# FORMS OF DELIVERY AND PACKAGING UNITS

## **megawood® decking**

megawood® PREMIUM / PREMIUM PLUS (21x145 mm)				package content 84 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
300	252.00	10.47*	36.54	879.48*
360	302.40	12.56*	43.85	1,055.38*
420	352.80	14.66*	51.16	1,231.27*
480	403.20	16.75*	58.46	1,407.17*
540	453.60	18.85*	65.77	1,583.06*
600	504.00	20.94*	73.08	1,758.96*

megawood® PREMIUM Jumbo (21x242 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
420	201.60	25.79*	48.79	1,237.82*
480	230.40	29.47*	55.76	1,414.66*
600	259.20	33.16*	62.73	1,591.49*

megawood® PREMIUM PLUS Jumbo (21x242 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
300	144.00	18.72*	34.85	898.56*
360	172.80	22.46*	41.82	1,078.27*
420	201.60	26.21*	48.79	1,257.98*
480	230.40	29.95*	55.76	1,437.70*
540	259.20	33.70*	62.73	1,617.41*
600	288.00	37.44*	69.70	1,797.12*

megawood® Barfußdiele DYNUM (21x242 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	172.80	22.93*	41.82	1,100.74*
420	201.60	26.75*	48.79	1,284.19*
480	230.40	30.58*	55.76	1,467.65*
540	259.20	34.40*	62.73	1,651.10*
600	288.00	38.22*	69.70	1,834.56*

megawood® connecting clip (28x76 mm)				package content 52 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	187.20	3.78*	14.23	196.56*

\* These weights are approximate. Production processes may vary these weights up to 5% of the guideline.

# FORMS OF DELIVERY AND PACKAGING UNITS

## **megawood® decking**

megawood® DYNUM (25 x 293 mm)				package content 30 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	108.00	33.08*	31.64	992.52*
420	126.00	38.60*	36.92	1,157.94*
480	144.00	44.11*	42.19	1,323.36*
540	162.00	49.63*	47.47	1,488.78*
600	180.00	55.14*	52.74	1,654.20*

megawood® LITUM composite decking board (21 x 295 mm)				package content 60 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
239.5	143.70	18.92*	42.39	1,135.23*

megawood® LITUM composite decking board (21 x 295 mm)				package content 60 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
300	180.0	23.7*	53.10	1,421.80*

megawood® construction beams (40 x 60 mm)				package content 170 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	612.00	9.29*	36.72	1,578.96*

megawood® construction beams (90 x 90 mm)				package content 55 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	198.00	15.80*	17.82	869.22*

megawood® smooth edge board CLASSIC Varia (17 x 72 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	172.80	6.16*	12.44	295.50*

megawood® smooth edge board CLASSIC / PREMIUM / PREMIUM PLUS (17 x 72 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	172.80	5.83*	12.44	279.84*

megawood® smooth edge board DYNUM (17 x 72 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	172.80	6.41*	12.44	307.68*

megawood® smooth edge board LITUM (17 x 72 mm)				package content 48 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
239.5	114.96	4.26*	8.28	204.48*

# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® decking

	Package content	Package dimensions	Unit	Forms of delivery
<b>Barefootboard CLASSIC 21 x 145 mm</b>	98 pcs. per 7 pcs. side by side, per 14 pcs. stacked	1,020 x 400 mm Length 300 bis 600 cm	per 2 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard CLASSIC Jumbo 21 x 242 mm</b>	56 pcs. per 4 pcs. side by side, per 14 pcs. stacked	1,020 x 400 mm Length 420 bis 600 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard CLASSIC Varia 21 x 195 mm</b>	60 pcs. per 5 pcs. side by side, per 12 pcs. stacked	980 x 360 mm Length 420 bis 600 cm	per 2 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard SIGNUM 21 x 145 mm</b>	84 pcs. per 7 pcs. side by side, per 12 pcs. stacked	1,020 x 400 mm Length 300 bis 600 cm	per 2 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard SIGNUM 21 x 242 mm</b>	48 pcs. per 4 pcs. side by side, per 12 pcs. stacked	1,020 x 400 mm Length 300 bis 600 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard PREMIUM PREMIUM PLUS 21 x 145 mm</b>	84 pcs. per 7 pcs. side by side, per 12 pcs. stacked	1,020 x 400 mm Length 300 bis 600 cm	per 2 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard Jumbo PREMIUM PREMIUM PLUS 21 x 242 mm</b>	48 pcs. per 4 pcs. side by side, per 12 pcs. stacked	1,020 x 400 mm Length 300 bis 600 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard DYNUM 21 x 242 mm</b>	48 pcs. per 4 pcs. side by side, per 12 pcs. stacked	1,020 x 400 mm Length 360 bis 600 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Barefootboard DYNUM 25 x 293 mm</b>	30 pcs. per 3 pcs. side by side, per 10 pcs. stacked	880 x 350 mm Length 360 bis 600 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors

# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® decking

	Package content	Package dimensions	Unit	Forms of delivery
<b>LITUM composite decking board</b> 21 x 295 mm	60 pcs. per 3 pcs. side by side, per 20 pcs. stacked	890 x 550 mm Length 239.5 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>LITUM composite decking board</b> 21 x 295 mm Special length	60 pcs. per 3 pcs. side by side, per 20 pcs. stacked	890 x 550 mm Length 300 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Construction beams</b> 40 x 60 mm	170 pcs. per 17 pcs. side by side, per 10 pcs. stacked	1,020 x 500 mm Length 360 cm	per 2 pcs. partially foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Construction beams</b> 90 x 90 mm	55 pcs. per 11 pcs. side by side, per 5 pcs. stacked	1,000 x 550 mm Length 360 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Smooth edge board</b> CLASSIC Varia 17 x 72 mm	48 pcs. per 6 pcs. side by side, per 8 pcs. stacked	430 x 240 mm Length 360 cm	per 4 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Smooth edge board</b> PREMIUM PLUS / SIGNUM 17 x 72 mm	48 pcs. per 6 pcs. side by side, per 8 pcs. stacked	430 x 240 mm Length 360 cm	per 4 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Smooth edge board</b> DYNUM 17 x 72 mm	48 pcs. per 6 pcs. side by side, per 8 pcs. stacked	430 x 240 mm Length 360 cm	per 4 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Smooth edge board</b> LITUM 17 x 72 mm	48 pcs. per 6 pcs. side by side, per 8 pcs. stacked	430 x 240 mm Length 239.5 cm	per 4 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Connecting clip</b> 28 x 76 mm	52 pcs. per 13 pcs. side by side, per 4 pcs. stacked	988 x 112 mm Length 360 cm	per 2 pcs. partially foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors



# FORMS OF DELIVERY AND PACKAGING UNITS

## **megawood® decking**

megawood® accessories	Package content in packing units
Locking clamp, one-piece, 50 pcs. incl. 17 screws	48 pack
Locking clamp, one-piece, 250 pcs. incl. 17 screws	20 pack
Locking clamp edge, one-piece, 25 pcs./pack	24 pack
Clip black, 50 pcs./pack	25 pack
Edge clip black, 25 pcs./pack	25 pack
Groove strip 21 mm, 25 m/roll	1 roll
Groove strip 21 mm, 100 m/roll	1 roll
Groove bridge, 20 pcs./pack	1 pack
House connection profile 55.5x45.0x1.5 mm / 21 mm bronze/silver/anthracite anodised, Length 400 cm	10 pcs.
Miter profile, aluminum 50x25 mm bronze/silver/anthracite anodised, Length 400 cm	10 pcs.
Sealing tape for miter profile 20 mm, 8 m/roll	1 roll
Rubber pad 60x20x100 mm	100 pcs.
Rubber pad 60x10x100 mm	100 pcs.
Rubber pad 60x3x100 mm	100 pcs.
Self-adhesive retaining band 10 mm, 10 m/roll	1 roll
Distance keeper, Mounting aid for decking, 10 pcs.	10 pack
Sub-construction fastening screw 7.5x92 mm incl. bit und drill	50 pack
Sub-construction fastening screw 7.5x132 mm incl. bit und drill	50 pack
Fixing clamp, 50 pcs. incl. screws and bit	50 pack
Fixing clamp, 250 pcs. incl. screws and bit	20 pack
Fixing clamp, 500 pcs. incl. screws and bit	20 pack
Edge clamp, 25 pcs. incl. screws and bit	25 pack
Zammer, mounting aid for one-piece locking clamp	1 pc.
Rolli, Additional part for Zammer	1 pc.
Screw metric, M6x40 mm, 10 pcs./pack	10 pcs.
Screw set, 4 x 35 mm, 25 pcs./pack	1 pc.
Ventilation grilles, stainless steel brushed	54 pcs.
megaclean cleaning emulsion 1 l	24 pcs.
indoor protect 0.75 L	12 pcs.
indoor protect 2.5 L	8 pcs.

# FORMS OF DELIVERY AND PACKAGING UNITS

## **megawood® decking**

megawood® accessories LITUM / CLASSIC Varia	Package content in packing units
Groove strip P5, 25 m/roll	1 roll
Groove strip P5, 100 m/roll	1 roll
Distanz Fix, 10 pcs./pack	12 pcs.
Arretier Fix, 20 pcs./pack	12 pcs.

## **megawood® Fix Step system**

megawood® Fix Step accessories	Package content in packing units
Standard plate	224 pcs.
Edge fixture standard	224 pcs.
Edge plate DUO	168 pcs.
Edge fixture DUO	168 pcs.
Attachment piece elevated installation	80 pcs.
Comfort pad	80 pcs.
Rubber pad 300x300x3/5 mm	80 pcs.
Rubber pad 300x300x10 mm	40 pcs.
Assembly clip, 10 pcs./pack	10 pack
Perforated tape, 10 m/roll	25 roll
Fastening screw for perforated tape 10 pcs.	1 pack

## **megalite LED lighting system**

megawood® accessories	Package content in packing units
LED-Linear light for horizontal installation (27 W, 36 W, 45 W)	6 pcs.
LED-Linear light for vertical installation (27 W, 36 W, 45 W)	6 pcs.
LED-Spot Mini/Maxi	40 pcs.
2/4 box distributor	10 pcs.
Extension cables 1 / 3 m	20 pcs.
Extension cables 6 m	10 pcs.
Power supply electronic ballast 30 W	5 pcs.
Power supply electronic ballast 150 W	5 pcs.
Repeater	5 pcs.
Remote control set	5 pcs.
LED bulb (27 W, 36 W, 45 W)	1 pc.
Cover profile for Linear light horizontal installation	1 pc.
Cover profile for Linear light vertical installation	1 pc.
Aluminium profile for Linear light	1 pc.
Aluminium end caps 2 pieces, + 4 stainless steel screws	1 pack

# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® LIMES fencing system

megawood® circular posts (Ø 90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
220	96.80	18.26*	8.71	803.44*
270	118.80	22.41*	10.69	986.04*

megawood® octagonal posts (90x90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
220	96.80	18.26*	8.71	803.44*
270	118.80	22.41*	10.69	986.04*

megawood® square posts (90x90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
220	96.80	21.12*	8.71	929.28*
270	118.80	25.92*	10.69	1,140.48*

megawood® oval posts (60x90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
220	96.80	12.98*	8.91	571.12*
270	118.80	15.93*	10.93	700.92*

megawood® panel Augusta (270x35x6mm)				package content 84 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
160.2	134.57	5.13*	36.33	430.62*
180.5	151.62	5.78*	40.94	485.18*
210	176.40	6.72*	47.63	564.48*

megawood® panel Colonia (239x6mm)				package content 84 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
158.4	133.06	2.79*	31.80	234.18*
210	176.40	3.70*	42.16	310.46*

\* These weights are approximate. Production processes may vary these weights up to 5% of the guideline.

# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® LIMES fencing system

megawood® bar (40x112 mm)				package content 56 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
178.6	100.02	9.37*	11.20	524.68*

megawood® oval bar (60x90 mm)				package content 56 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
178.6	78.58	10.54*	7.23	463.65*

megawood® H-shaped profile bar (38x30 mm)				package content 96 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
156.6	150.34	1.82*	5.71	174.39*

megawood® H-shaped profile bar (38x30 mm)				package content 96 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
178.6	171.46	2.07*	6.52	198.89*
190	182.40	2.20*	6.93	211.58*

megawood® LIMES fencing system accessories	Package content in packing units
Blackened bar connectors incl. M6 x 30 mm screws, 4 pcs./pack	28 pcs.
Stainless steel panel holder, 16 pcs./pack	12 pcs.
Base plate incl. 4 M8 x 80 mm screws (galvanised)	44 pcs.
6 x 40 mm stainless steel pin, 10 pcs./pack	12 pcs.
Internal hexagonal screw for H-shaped profile bar incl. bit, 16 pcs./pack	1 pcs.
Stainless steel bar	1 pcs.
Insert bar for stainless steel bar	1 pcs.
Assessories set for stainless steel bar	1 pcs.

## megawood® LIMES fencing system

	Package content	Package dimensions	Unit	Forms of delivery
<b>Circular posts Ø 90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	1,110x440mm Length 220 cm and 270 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Octagonal posts 90x90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	1,000x450mm Length 220 cm and 270 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors

# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® LIMES fencing system

	Package content	Package dimensions	Unit	Forms of delivery
<b>Square posts 90x90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	1,030x450mm Length 220 cm and 270 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Oval posts 60x90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	1,110x350mm Length 220 cm and 270 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Panel Augusta 270x35x6 mm</b>	84 pcs. per 3 pcs. side by side, per 14 pcs. stacked	870x660mm Length 270 cm	per 2 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Panel Colonia 239x6 mm</b>	84 pcs. per 4 pcs. side by side, per 3 pcs. stacked	960x250mm Length 158.4 cm and 210 cm	per 7 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Fence set with stainless steel bar 1,810x1,850 mm</b>	1 pc.	350x160mm Length 195 cm	not foil-covered	Carton; Upper & lower woods, bundle straps and edge protectors
<b>Bar 40x112 mm</b>	56 pcs. per 8 pcs. side by side, per 7 pcs. stacked	900x360mm Length 178.6 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Oval bar 60x90mm</b>	56 pcs. per 8 pcs. side by side, per 7 pcs. stacked	830x560mm Length 178.6 cm	per 2 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>H-shaped profile bar 8 UNITS 38x30mm</b>	96 pcs. per 6 pcs. side by side, per 4 pcs. stacked	960x220mm Length 156.6 cm	per 4 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>H-shaped profile bar 38x30 mm</b>	96 pcs. per 6 pcs. side by side, per 4 pcs. stacked	960x220mm Length 178.6 cm and 190 cm	per 4 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors



# FORMS OF DELIVERY AND PACKAGING UNITS

## **megawood® construction wood system**

megawood® construction plank (40x112 mm)				package content 56 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	201.60	18.89*	22.58	1,057.59*

megawood® construction plank (40x145 mm)				package content 49 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
420	205.80	28.56*	29.84	1,399.44*

megawood® circular construction wood (Ø 90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	158.40	29.88*	14.26	1,314.72*

megawood® octagonal construction wood (90x90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	158.40	29.88*	14.26	1,314.72*

megawood® square construction wood (90x90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	158.40	34.56*	14.26	1,520.64*

megawood® oval construction wood (60x90 mm)				package content 44 pcs.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
360	158.40	21.24*	14.57	934.56*

\* These weights are approximate. Production processes may vary these weights up to 5% of the guideline.

# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® construction wood system

	Package content	Package dimensions	Unit	Forms of delivery
<b>Construction plank 40x112 mm</b>	56 pcs. per 8 pcs. side by side, per 7 pcs. stacked	900x360 mm Length 300 cm	per 2 pcs. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Construction plank 40x145 mm</b>	49 pcs. per 7 pcs. side by side, per 7 pcs. stacked	1,020x380 mm Length 320 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Circular construction wood Ø 90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	1,110x440 mm Length 360 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Octagonal construction wood 90x90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	1,000x450 mm Length 360 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Square construction wood 90x90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	1,030x450 mm Length 360 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Oval construction wood 60x90 mm</b>	44 pcs. per 11 pcs. side by side, per 4 pcs. stacked	990x325 mm Length 360 cm	per 1 pc. completely foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors

# FORMS OF DELIVERY AND PACKAGING UNITS

## **megawood® construction wood system**

megawood® Bench (690x960 mm)				package content 1 pc.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
180	-	87.00*	-	87.00*

megawood® Plant container (1,000x810 mm)				package content 1 pc.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
110	-	215.00*	-	215.00*

megawood® Sandpits 1 x hexagonal (1,200 x 300 mm)				package content 1 pc.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
120	-	45.00*	-	45.00*

megawood® Sandpits 2 x hexagonal (1,200 x 300 mm)				package content 1 pc.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
210	-	75.00*	-	75.00*

megawood® Sandpits 3 x hexagonal (2,100 x 300 mm)				package content 1 pc.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
210	-	90.00*	-	90.00*

megawood® Door (1,020x1,850 mm)				package content 1 pc.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
185	-	43.50*	-	43.50*

megawood® Frame (1,120x2,000 mm)				package content 1 pc.
Length in cm	running meter	kg/pcs.	sqm/pack	kg/pack
200	-	44.70*	-	44.70*

\* These weights are approximate. Production processes may vary these weights up to 5% of the guideline.

# FORMS OF DELIVERY AND PACKAGING UNITS

## megawood® construction wood system

	Package content	Package dimensions	Unit	Forms of delivery
<b>Bench</b> 69 x 960 mm	1 pc.	690 x 240 mm Length 180 cm	not foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Plant container</b> 1,000 x 1,000 mm	1 pc.	1,100 x 1,100 mm Length 81 cm	not foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Sandpits</b> 1x hexagonal 1,200 x 1,200 mm	1 pc.	600 x 450 mm Length 80 cm	not foil-covered	Inka pallet; carton; bundle straps and edge protectors
<b>Sandpits</b> 2x hexagonal 1,200 x 2,100 mm	1 pc.	600 x 450 mm Length 80 cm	not foil-covered	Inka pallet; carton; bundle straps and edge protectors
<b>Sandpits</b> 3x hexagonal 2,100 x 2,100 mm	1 pc.	600 x 450 mm Length 80 cm	not foil-covered	Inka pallet; carton; bundle straps and edge protectors
<b>Door, no filling</b> 1,020 x 1,850 mm	1 pc.	200 x 1,020 mm Length 185 cm	not foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors
<b>Frame</b> 1,120 x 2,000 mm	1 pc.	400 x 1,120 mm Length 200 cm	not foil-covered	Per bundle on untreated square support boards; bundle straps and edge protectors

# CERTIFICATE

PEFC

ZERTIFIKAT CERTIFICATE



Die HW-Zert GmbH, von PEFC Deutschland e. V. anerkannt und notifiziert, bestätigt hiermit, dass das Unternehmen

## NOVO-TECH GmbH & Co. KG

Siemensstraße 31  
06449 Aschersleben

mit den auf Seite 2 genannten Standorten

ein betriebliches Kontrollsystem unterhält, das mit den



### Chain-of-Custody-Anforderungen von PEFC

Programme for the Endorsement of Forest Certification  
gemäß des deutschen Standards PEFC D 1003:2013  
"Produktkettennachweis für Holzprodukte - Anforderungen" Deutsche Übersetzung des Internationalen  
PEFC- Standards PEFC ST 2002:2013 in der aktuell  
gültigen Fassung (siehe hierzu auch [www.pefc.org](http://www.pefc.org))  
übereinstimmt.

Es wurde nachgewiesen, dass die Anforderungen bezüglich der

### Methode der physischen Trennung

erfüllt sind und angewendet werden. Das Unternehmen hat mit der HW-Zert GmbH einen Begutachtungsvertrag abgeschlossen und wird jedes Jahr auditiert. Dieses Zertifikat berechtigt dazu, die im Geltungsbereich benannten Produkte/Produktgruppen nach der o. g. Methode als **PEFC-zertifiziert** zu verkaufen.

Art des Zertifikates:

**Einzelzertifikat**

PEFC-Scope:

**Other primery forest industries**

Geltungsbereich:

**Produkte aus  
Holz-Polymer-Werkstoffen**

Registriernummer HW-Zert GmbH:

**HW-CoC-0354-14**

Datum der Ausstellung:

**01.06.2014**

Dieses Zertifikat ist gültig bis:

**31.05.2019**

  
Horst Gleißner  
Geschäftsführer

  
Wilfried Stech  
Geschäftsführer

HW-Zert GmbH, Gallersberg 10, 85395 Attenkirchen  
Telefon 08168 9979915, Fax 08168 9979916  
[www.hw-zert.de](http://www.hw-zert.de), E-Mail: [info@hw-zert.de](mailto:info@hw-zert.de)



Deutsche  
Akkreditierungsstelle  
D-ZE-18039-01-00

Die HW-Zert ist notifiziert in Belgien, Dänemark, Deutschland, Finnland, Frankreich, Großbritannien, Irland, Italien, Kanada, Malaysia, Niederlande, Österreich, Polen, Portugal, Schweden, Schweiz, Slowakei, Slowenien sowie über PEFC International in allen Ländern ohne eigenes PEFC-System.



## ZERTIFIKAT CERTIFICATE



**ANLAGE** zum PEFC-CoC-Zertifikat der HW-Zert GmbH  
Nummer HW-CoC-0354-14 vom 01.06.2014

bezüglich der Chain-of-Custody-Anforderungen von PEFC  
für das Unternehmen

### **NOVO-TECH GmbH & Co. KG**

Siemensstraße 31  
06449 Aschersleben

Das Zertifikat umfasst neben der o. g. Zentrale folgende Standorte:

**ERFURT.SASSE Industry Holding GmbH & Co. KG**  
Siemensstraße 29  
06449 Aschersleben

Dieses Zertifikat ist gültig bis:

**31.05.2019**

  
Horst Gleißner  
Geschäftsführer

  
Wilfried Stech  
Geschäftsführer



Deutsche  
Akkreditierungsstelle  
D-ZE-18039-01-00

**HW-Zert GmbH**, Gellersberg 10, 85395 Attenkirchen  
Telefon 08168 9979915, Fax 08168 9979916  
www.hw-zert.de, E-Mail: info@hw-zert.de



# CERTIFICATE

Seal of quality - exemplary\*

## QUALITÄTSGEMEINSCHAFT HOLZWERKSTOFFE E.V.

### CERTIFICATE

2018 – 14-1  
for WPC-decking profiles

The decking profile of type

**megawood CLASSIC**

kind of profile	solid	based on	PE
thickness/width	21 x 145 mm	content of natural fibre	W>55, R<20

of the manufacturer

**NOVO-TECH GmbH & Co. KG,  
06449 Aschersleben, Germany**

confirms with his testing results of the external supervision, done by the independent and certified institute

**Entwicklungs- und Prüflabor Holztechnologie GmbH  
Zellescher Weg 24, 01217 Dresden, Germany**

and the initial inspection of factory and the supervision of factory production control, done by the Qualitätsgemeinschaft Holzwerkstoffe e. V., Schumannstr. 9, 10117 Berlin (Germany) the requirements according the quality and testing criteria for decking profiles of Wood-Plastic-Composites (dated 1st March 2017).

**The manufacturer is entitled to use the quality label**



- **Wood** from sustainable forestry
- **Rice husk** from controlled farming
- **Pure industrial Polymer**

megawood - QG/2010/Z14, PE

Validity of the certificate is 12 months and so long as the quality criteria are not changed and the fulfilment of these criteria by the manufacturer is given.

Berlin, 25th September 2018

  
Anemoh Strohmeyer  
General Manager

10117 Berlin • Schumannstr. 9 • Telefon (++49)30 280 912 50 • Telefax (++49)30 280 912 56

# CERTIFICATE

Certificate solid boards - exemplary\*



Entwicklungs- und Prüflabor  
Holztechnologie GmbH  
Zellescher Weg 24 · D-01217 Dresden  
[www.eph-dresden.de](http://www.eph-dresden.de)

Durch die Deutsche Akkreditierungsstelle GmbH (DAkkS)  
nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium



Deutsche  
Akkreditierungsstelle  
D-PL-11054-01-00

## P R Ü F U N G S Z E U G N I S

**CT-13-01-07-01**

**Produkt:** Megawood Massivdiele, grau

**Firma:** NOVO-TECH GmbH & Co. KG  
Siemensstraße 31  
06449 Aschersleben

**Auftrag:** Bestimmung des Migrationsverhaltens von Schwermetallen nach  
DIN EN 71-3

**Prüfmethodik:** Extraktion mit salzsaurem Wasser  
Chemische Analyse: MP-AES (Mikrowellenplasma induzierte  
Atomemissionsspektrometrie)

**Prüfbericht:** 152013/1 vom 20. Dezember 2012

**Prüfergebnis:** Das Produkt „Megawood Massivdiele, grau“ erfüllt sicher die  
nach DIN EN 71-3 gestellten Anforderungen hinsichtlich der  
Konzentrationen eluierbarer Schwermetalle (As, Sb, Ba, Cd, Cr,  
Pb, Hg und Se).

Dresden, 07. Januar 2013

  
Leiter des Prüflaboratoriums



  
verantwortlicher Bearbeiter

# TEST REPORT

Determination of the anti-slip property

PRÜFEN · ÜBERWACHEN · ZERTIFIZIEREN

**BAUSTOFFPRÜFSTELLE Wismar GmbH**



• BAUSTOFFPRÜFSTELLE Wismar GmbH • LÜBECKE STRASSE 109 • 23668 WISMAR •

NOVO - TECH GmbH & Co. KG  
Siemensstraße 31  
06449 Aschersleben

Wismar, 25.04.2017(V)

Unsere Zeichen: Sü./St./Vo.

Prüfbericht - Nr. 0594/17-V	
Antragsteller:	NOVO - TECH GmbH & Co. KG
Antragssache:	Prüfung von Bodenbelägen - Bestimmung der rutschhemmenden Eigenschaft - Naßbelastete Barfußbereiche nach DIN 51097:1992-11 - Bestimmung der rutschhemmenden Eigenschaft - Arbeitsräume und Arbeitsbereiche mit Rutschgefahr, Begehungsverfahren - Schiefe Ebene nach DIN 51130:2014-02 - Bestimmung des Verdrängungsraumes nach DIN 51130:2014-02
Antragstag:	10.04.2017
Einlieferungstag:	12.04.2017
Prüfzeitraum:	13.04.2017
Bezeichnung des Erzeugnisses:	<b>megawood Terrassendiele Classic Jumbo massiv - fein</b> Abmessungen L/B/D [mm]: 1000 x 242 x 21
Oberfläche:	Welle
Anzahl:	2,5 Stück
Hersteller bzw. Herkunft:	wie Auftraggeber
Ursprungsnachweis:	Die Proben wurden durch den Auftraggeber bereitgestellt.

Der Prüfbericht umfasst 3 Seiten.

Dieser Prüfbericht ersetzt den Prüfbericht-Nr. 0594/17 vom 18.04.2017.

Dieser Prüfbericht gilt für die Dauer von 5 Jahren, es sei denn, es ergeben sich Bedingungen, die zur Änderung der Oberflächenbeschaffenheit führen können.

Belegproben werden höchstens zwei Monate aufbewahrt.

Durch die DAkkS nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium. Die Akkreditierung gilt nicht für die mit \*) gekennzeichneten Prüfverfahren. Bewertungen unterliegen nicht der Akkreditierung. Die Prüfergebnisse beziehen sich ausschließlich auf die untersuchten Prüfgegenstände. Der Prüfbericht darf ohne Genehmigung der BAUSTOFFPRÜFSTELLE Wismar GmbH nicht auszugsweise vervielfältigt, an Dritte weitergegeben oder veröffentlicht werden.

ANSCHRIFF: Lübecke Straße 109, 23668 Wismar · TELEFON: +49 (0)3841 70 23 06 · TELEFAX: +49 (0)3841 70 30 78 · E-MAIL: info@bpa-wismar.de · INTERNET: www.bpa-wismar.de · KAMMERGERICHT SCHMIDTKE HRS 1955 · STEUER-NR.: 090/106/00099  
UStG-NR.: DE 157430034 · GESCHÄFTSFÜHRUNG: Dipl.-Ing. Eileen Steige



# TEST REPORT

## Determination of the anti-slip property

Baustoffprüfstelle Wismar GmbH  
Lübsche Straße 109, 23966 Wismar  
Tel.: 0 38 41 / 76 23 06; FAX: 0 38 41 / 76 30 78

Seite: 2  
zum Prüfbericht-Nr.: 0594/17-V

1. **Bestimmung der rutschhemmenden Eigenschaft nach DIN 51130:2014-02**  
**"Bestimmung der rutschhemmenden Eigenschaft - Arbeitsräume und Arbeitsbereiche mit Rutschgefahr - Begehungsverfahren - Schiefe Ebene" und**  
**Bestimmung der rutschhemmenden Eigenschaft nach DIN 51097:1992-11**  
**"Bestimmung der rutschhemmenden Eigenschaft - Naßbelastete Barfußbereiche - Begehungsverfahren - Schiefe Ebene"**

### Beschreibung der Platte:

Farbe/Gestaltung: grau

Oberfläche: wellenförmig geriffelt

### Vorbereitung des Prüfbelages:

Es wurde ein Prüfbelag von 100 x 60 cm  
durch Verlegen auf einer selbsttragenden, verzugsfreien Platte hergestellt.  
Die Fugenbreite betrug dabei 3 mm.  
Vor Beginn der Prüfung erfolgte die Reinigung des Belages mit einem trockenen Tuch.  
Die Prüfung erfolgte parallel zur Struktur.

### Mittlerer Neigungswinkel:

Versuch-Nr.	korrigierter Akzeptanzwinkel DIN 51 130 Schiefe Ebene [ ° ]	Neigungswinkel DIN 51097 naßbelastete Barfußbereiche [ ° ]
1	28,7	43,6
2	28,0	43,1
3	28,4	42,8
4	29,3	43,9
5	29,7	41,0
6	29,1	40,3
7	-	42,7
8	-	41,5
Mittelwert	28,9	42
korrigierter mittlerer Neigungswinkel $\alpha_{ges}$ für u.a. Bewertungsgruppe	> 27 - 35	-
mittlerer Neigungswinkel für u.a. Bewertungsgruppe	-	≥ 24

### Bewertungsgruppe:

Die Terrassendielen sind gemäß der ermittelten Prüfergebnisse nach den Richtlinien der

- DIN 51130 in Klasse der Rutschhemmung	R 12	und nach
- DIN 51097 in die Bewertungsgruppe	C	einzuordnen.



# TEST REPORT

## Determination of the anti-slip property

Baustoffprüfstelle Wismar GmbH  
Lübsche Straße 109, 23966 Wismar  
Tel.: 0 38 41 / 76 23 06; FAX: 0 38 41 / 76 30 78

Seite: 3  
zum Prüfbericht-Nr.: 0594/17-V

### 2. Bestimmung des Verdrängungsraumes nach DIN 51130:2014-02

"Bestimmung der rutschhemmenden Eigenschaft - Arbeitsräume und Arbeitsbereiche mit Rutschgefahr - Begehungsverfahren - Schiefe Ebene" und

#### Untersuchungsergebnis

Versuch-Nr.	Flächenbezogenes Volumen des Verdrängungsraumes DIN 51130 [cm <sup>3</sup> /dm <sup>2</sup> ]
1	6,6
2	6,9
3	6,4
4	6,7
5	7,1
Mittelwert	6,5

#### Ergebnis

Der ermittelte Verdrängungsraum entspricht gemäß den Prüfergebnissen der Klasse **V 6**.

  
Dipl.-Ing. (FH) Ch. Schümer  
Prüfingenieurin



In Vertretung  
  
Dipl.-Ing. E. Stoige  
Leiterin der Prüfstelle



# OVERVIEW

## anti-slip properties and fire behaviour

### Summary of the anti-slip properties and fire behaviour of the megawood® barefoot boards

	Anti-slip pursuant to standard DIN 51130 (R classes)	Fire behaviour** pursuant to DIN 13501-1
Barefootboard CLASSIC* 21 x 145 mm	 conforms with R 12	 normal flammability Dfl-s1
Barefootboard CLASSIC Jumbo* 21 x 242 mm	 conforms with R 12	 normal flammability Dfl-s1
Barefootboard CLASSIC Varia* 21 x 195 mm	 conforms with R 10	 hardly inflammable Cfl-s1
Barefootboard SIGNUM* 21 x 145 mm	 conforms with R 10	 normal flammability Dfl-s1
Barefootboard SIGNUM* 21 x 242 mm	 conforms with R 10	 normal flammability Dfl-s1
Barefootboard PREMIUM* 21 x 145 mm	 conforms with R 11	 normal flammability Dfl-s1
Barefootboard Jumbo PREMIUM* 21 x 242 mm	 conforms with R 11	 normal flammability Dfl-s1
Barefootboard PREMIUM PLUS* 21 x 145 mm	 conforms with R 11	 hardly inflammable Cfl-s1
Barefootboard Jumbo PREMIUM PLUS* 21 x 242 mm	 conforms with R 11	 hardly inflammable Cfl-s1
Barefootboard DYNUM* 21 x 242 mm	 conforms with R 10	 hardly inflammable Cfl-s1; BROOF (t1)
Barefootboard DYNUM* 25 x 293 mm	 conforms with R 10	 hardly inflammable Cfl-s1
LITUM composite decking board* 21 x 295 mm	 conforms with R 10	 hardly inflammable Cfl-s1

\* All of the test reports are available by request.

\*\* It is stipulated in the federal state building regulations that floor coverings in required stairwells, corridors and therefore also balconies and pergolas that serve as primary or secondary escape routes are to be made of hardly inflammable building materials (fire class Cfl-S1) as a minimum.

The hardly inflammable boards can be used as floor coverings in primary and secondary escape routes in building regulation terms! The respective fire prevention concepts are to be inspected.

# CERTIFICATE

## Classification of fire behavior



Entwicklungs- und Prüflabor  
Holztechnologie GmbH  
Zellescher Weg 24  
01217 Dresden

Tel.: +49 351 4662 0  
Fax: +49 351 4662 211  
info@eph-dresden.de  
www.eph-dresden.de

### Klassifizierungsbericht Classification report

Nr.: **2714232**  
No.:

### Klassifizierung zum Brandverhalten gemäß DIN EN 13501-1:2010 Reaction to fire classification according to DIN EN 13501-1:2010

**Auftraggeber (AG):** NOVO-TECH GmbH & Co. KG  
*Client:* Siemensstraße 31  
06449 Aschersleben

**Hersteller:** siehe Auftraggeber  
*Manufacturer:* cf. client

**Produktname:** megawood® Classic Barfußdiele, WPC-Terrassendiele massiv; 21 mm  
*Name of product:* megawood® Classic barefoot board, massive WPC decking board; 21 mm  
Bodenbelag für den Außenbereich / Floor covering for exterior use

**Klassifikation:** **Dfl-s1**  
*Classification:*

**Geltungsdauer:** k. A.  
*Validity:* n/s

**Ausgabe-Nr.:** 1. Ausfertigung / Original  
*Issue-No.:* Original

**Datum der Ausgabe:** 26.06.2014  
*Date of issue:*

**Auftragnehmer (AN):** Entwicklungs- und Prüflabor Holztechnologie GmbH - EPH  
*Contractor:* Laborbereich Oberflächenprüfung  
Development and Examination Laboratory for Wood Technology Ltd. - EPH  
Laboratory Surface Testing

**Notifizierte Stelle – Nr.:** 0766  
*Notified body - No.:*

**Verantw. Bearbeiter:** Dipl.-Ing. Ch. Kniest  
*Engineer in charge:*

Dr. - Ing. R. Emmeler  
Leiter Laborbereich Oberflächenprüfung / Head of Laboratory Surface Testing

Der Klassifizierungsbericht umfasst 4 Seiten. Jede auszugsweise Vervielfältigung bedarf der schriftlichen Genehmigung des EPH. Die Prüfergebnisse beziehen sich ausschließlich auf die geprüften Materialien. Dieser Bericht ist zweisprachig. Im Zweifel gilt der deutsche Wortlaut.

The classification report contains 4 pages. Any duplication, even in part, requires written permission of EPH. These test results are exclusively related to the tested material. This report has been issued bilingually. In case of doubt, the German version is valid.

Geschäftsführer  
Dr.-Ing. Bernd Devantier  
Amtsgericht Dresden HRB 8072  
USt-IdNr. DE 21 60 77 44 6

Commerzbank AG  
SWIFT: DRES DE 33 050  
IBAN: DE 13 8508 0000 0400 2982 00



## Bericht zur Klassifizierung des Brandverhaltens

**Nr. 230010960-2**  
vom 01.06.2017

**Auftraggeber :** NOVO-TECH GmbH & Co. KG  
Siemensstraße 31  
  
06449 Aschersleben

**Auftrag:** Klassifizierung des Brandverhaltens nach DIN EN 13501-1

**Auftragsdatum:** 02.03.2017

**Bezeichnung des zu klassifizierenden Bauprodukts:**

Terrassendielen-Bodenbelag bezeichnet als „Megawood Litum Steinholzplatte“

Dieser Bericht bestimmt die Klassifizierung des o. g. Bauprodukts in Übereinstimmung mit dem in DIN EN 13501-1 angegebenen Verfahren.

Klassifizierungsberichte dürfen ohne Zustimmung des MPA NRW nur nach Form und Inhalt unverändert veröffentlicht oder vervielfältigt werden.  
Dieser Klassifizierungsbericht umfasst 3 Seiten.

# CERTIFICATE

## Classification of fire behavior

Bericht zur Klassifizierung des Brandverhaltens Nr. 230010960-2 vom 01.06.2017 Seite 2 von 3

### 1 Beschreibung des Bauproduktes

Das Bauprodukt mit der Bezeichnung „Megawood Litum Steinholzplatte“ ist ein Terrassendielen-Bodenbelag und hat folgenden Aufbau:

Die Terrassendielen bestehen aus einem etwa 20 mm dicken Holz-Polymer-Werkstoff mit Steingranulat. Sie haben ein Metergewicht von etwa 6,1-7,9 kg/Meter. Die Oberfläche ist einseitig scharriert und die Unterseite ist glatt. Die Terrassendielen müssen auf Konstruktionsbalken aus Powolit verlegt werden.

### 2 Prüfberichte und Prüfergebnisse, die der Klassifizierung zugrunde liegen

#### 2.1 Prüfberichte

Name des Labors	Auftraggeber	Nummer des Prüfberichts	Prüfverfahren
MPA NRW	NOVO-TECH GmbH & Co. KG	230010960-1 vom 01.06.2017	EN ISO 9239 – 1 EN ISO 11925 – 2 (15 s Beflammungszeit)

#### 2.2 Prüfergebnisse

Prüfverfahren	Parameter	Anzahl der Versuche	Prüfergebnisse	
			Mittelwerte	Anforderung erfüllt
DIN EN ISO 11925 15 s Beflammungszeit	Flammenausbreitung $\leq 150$ mm	6	--	Ja
DIN EN ISO 9239-1	Kritischer Wärmestrom (kW/m <sup>2</sup> )	3	5,5	--
	Rauch (%xmin)	3	191	--

# CERTIFICATE

## Classification of fire behavior



Bericht zur Klassifizierung des Brandverhaltens Nr. 230010960-2 vom 01.06.2017 Seite 3 von 3

### 3 Klassifizierung und direkter Anwendungsbereich

#### 3.1 Referenz

Die Klassifizierung wurde in Übereinstimmung mit den Abschnitten 12 und 14.2 der Norm DIN EN 13501-1 : 2010 durchgeführt.

#### 3.2 Klassifizierung

Der geprüfte Bodenbelag wird in Bezug auf sein Brandverhalten klassifiziert als: **C<sub>fl</sub>**

Die zusätzliche Klassifizierung in Bezug auf die Rauchentwicklung ist: **s1**

Damit ergibt sich als Klassifizierung des Brandverhaltens des geprüften Bodenbelags:

Brandverhalten		Rauchentwicklung
<b>C<sub>fl</sub></b>		<b>s1</b>

d.h. **C<sub>fl</sub> – s1**

#### 3.3 Anwendungsbereich des Produktes

Die Klassifizierung gilt nur für das unter Abschnitt 1 beschriebene Bauprodukt in der Verwendung als Bodenbelag, horizontal verlegt –verklebt oder unverklebt- auf Trägermaterial der Euroklassen A1 oder A2 nach DIN EN 13501-1 mit einer Rohdichte von mindestens 1350 kg/m<sup>3</sup> und einer Dicke von mindestens 6 mm.

### 4 Einschränkungen

Dieser Klassifizierungsbericht ersetzt keine Typzulassung oder Produktzertifizierung.

Erwite, den 01.06.2017

Stellvertretender Leiter der Prüfstelle

(Dipl.-Ing. Schreiner)



Der Sachbearbeiter

  
(W. Brune)





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