

MONTERING/ LEGGEANVISNING - DOKUMENTASJON

Accoya kledning – Produktgruppe 8781

1 Leverandør

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2 Produktnavn

Accoya kledning og spiler.

3 Produktbeskrivelse

Accoya kledning er modifisert trevirke fra acetylert Radiata Pine, og er helt giftfri. Accoya kledning fås i glatt og ru overflate. Accoya er meget formstabil, minimal krymping, vridning, og behandles på lik måte som vanlig treverk. Accoya er UV-bestendig, med ett lyst, pent utseende og 50 års garanti mot råte ved bruk over bakken, og 25 år i bakken, eller i kontakt med ferskvann. Accoya-trevirke kan om ønskelig overflatebehandles med maling eller beis. Ubehandlet treverk gråner til en jevn sølvgrå patina. Bruksområder som kledning, rekkverk, terrassegulv, vindskier, listverk, spiler etc.

4 Dimensjoner

Tykkelse: 13, 15, 17, 20, og 22 mm.
Bredde: 73, 97, 122, 147, 197, 247 og 297 mm.
Profiler: Dobbelfals, rektangulær, spiler, etc.

5 Lagring

Bordene lagres plant, tørt og med fuktsikring mot fukt fra underlag.

6 Før montering

Selve underkonstruksjonen må være faglig utført iht. de gjeldene standarder og forskrifter.

7 Metallbeslag

Alle typer tre inneholder organiske syrer, selv om mengden varierer etter art. Disse organiske syrene kan bidra til korrosjon ved bruk av metaller som f.eks. hengsler på treverk. Accoya har samme syrenivå som f.eks. Eik og Vestlig rød Seder, og produkter som består av galvaniserte metaller eller sinklegeringer er ikke korrosjonsbestandige ved bruk sammen med Accoya.

Metaller av visse aluminiumlegeringer, kobber, bly og andre metaller kan også oksiderer ved bruk på Accoya.

8 Innfesting

Man må benytte rustfrie (A2) eller syrefaste (A4) festemidler. Ved bruk av festemidler med annen korrosjonsbeskyttelse vil resultere i svart misfarging rundt innfestningen i bordene. Accoya kan monteres både med spiker eller skruer. Ved bruk av spikerpistol bør man benytte gummifot. Selv borende skruer anbefales. Innfesting i endene trekkes inn 50 mm fra enden og forbores 1 mm mindre radius enn festemidlet for å unngå sprekk i bordene. Kuttflater som blir skjult bak innramming behøver ingen behandling, men kuttflater som blir eksponert for vær- og vind skal kant forsegles.

- **Spalteåpning**

Accoya er tørket ned i produksjonen og man bør påregne noe svelling ved montering utendørs. Vi anbefaler en spalteåpning på 2 mm. i not- og fjær.

- **Rektangulær kledning**

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Her monteres underliggøren med en skrue/spiker i hvert spikerslag. Overliggøren monteres med to skruer/spikere. Husk at skruer/spikere aldri skal gå gjennom to overlappende bord.

- **Falset kledning**
Monteres med en skrue/spiker i hvert spikerslag. Bordet festes ca. 1/3 inn fra bordets kant for å få klemte bordene sammen.
- **Spilekledning**
Spiler med en bredde på 73 mm. monteres med skruer/spiker i hvert spikerslag. For spiler med større bredde benyttes det to stk. skruer/spikere.

9 Behandling

Accoya behandles som vanlig treverk. Kan males, lakkes og oljes. Ved overflatebehandling henvises det til overflateproduktets beskrivelse for bruk.

For informasjon om vask og øvrig vedlikehold, henvises det til Accoya's gjeldene FDV dokumentasjon.

10 HMS

Det er ikke behov for spesielle forebyggende tiltak ved håndtering eller bearbeiding av Accoya. Likevel anbefales det bruk av personlig verneutstyr, som støvmaske, hørselvern og vernebriller.

11 Avfallshåndtering

Avkapp og planker kan etter endt levetid sendes til kommunalt deponi for resirkulering. Accoya inneholder ikke noen farlige stoffer. Varmeenergien kan gjenvinnes ved forbrenning.

12 Emballasje

Plast- og pappemballasje kan gjenvinnes.

13 Transport

Produktet er ikke klassifisert som farlig gods.

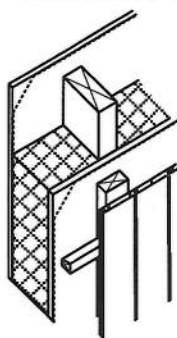
Accoya® is the world's leading high technology wood. It is produced from sustainably sourced, fast growing softwood using a non-toxic modification process from the surface to the core. The result is a durable, stable and beautiful material with the performance characteristics of the most durable tropical hardwoods but with industry-leading environmental credentials, providing for a minimum 50 year above ground life.

SUB-FRAME

Like all cladding materials, Accoya cladding performs best when installed properly on a suitable frame and in a ventilated façade system - characterised by continuous ventilation behind the cladding boards, through ventilation in- and outlets situated at the top and bottom of the façade. This ensures rain water and condensation behind the cladding to be removed and for the insulation to retain its effectiveness.

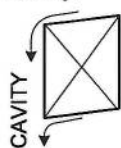
The sub-frame the cladding is fastened to should have a maximum spacing of 600 mm on center and should consist of vertical timber battens of at least 38 x 19 mm when fully supported by a substrate. Horizontal battens and counter battens should be at least 50 x 25 mm. Support battens used with Accoya should be of a durability class 1 or 2.

In case of a discoloration risk of the cladding boards because of leaching of extractives from the timber sub-frame, apply a barrier between the sub-frame battens and the boards. Timber support battens should not be used above 18 m building height.



In case of vertical cladding, best practice is a double sub-frame where horizontal support battens are fastened on vertical counter battens. The horizontal battens should be chamfered at the top side, shedding water into the cavity.

The lowest batten should slant inward at the bottom, creating a drip lip at the intersection with the counter battens.



If only horizontal support battens are used, additional measures need to be taken to ensure sufficient ventilation (500 mm² per m horizontal length), e.g. by making cut-outs in the battens or interrupting the battens at regular intervals, staggered relative to each other. In this case it is preferable if the horizontal battens are chamfered on the top edge to shed any water outwards. Water penetration at the end grain of vertical battens should be avoided by applying a suitable sealer.

Accoya is suitable for standard cladding types, and in general the installer should follow the same recommendations for fitting as with traditional wood cladding, requiring no special detailing or tools, and performs best when installed properly on a suitable frame.

Accoya wood can be cut, profiled and routed to specified designs without encountering restrictions or issues associated with the instability of traditional wood cladding while maintaining its durability.

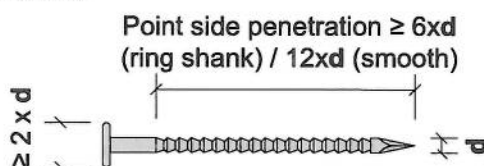
FASTENERS

Accoya can be face fixed onto the timber sub-frame with ring shank (or other improved) nails or screws (raised or round head). As Accoya is slightly acidic, like most durable woods, it is recommended to use stainless steel grade 1.4301 (general applications) or grade 1.4401 (for coastal or industrial sites).

Stapling is not recommended, nor to drive the nail or screw heads into the wood. T-nails should not be used for external cladding as they offer little resistance to axial withdrawal. Lost head nails should also be avoided as they offer little resistance to pull-through.

To ensure a durable and lasting fixation, the boards should be fixed with at least 50 mm clearance to the end of the board (pre-drill holes to 1 mm less than the screw shank diameter or 80% of the nail diameter). The minimum distance to the top and bottom edge of the boards is 15 mm.

The recommended point side penetration of nails into the sub-frame is at least 6xd for ring shank or 12xd for smooth nails. If the nail head is larger than twice the shank diameter, assumedly pull-through will not occur, as the pull-through resistance exceeds the withdrawal resistance.



COATINGS

Coatings are applied to Accoya for largely aesthetic reasons. Please refer to the general guidance given in the brochures provided through accoya.com and the applicable advice from coating manufacturers.

If coated, profile corners should be rounded off with a radius of at least 3 mm.

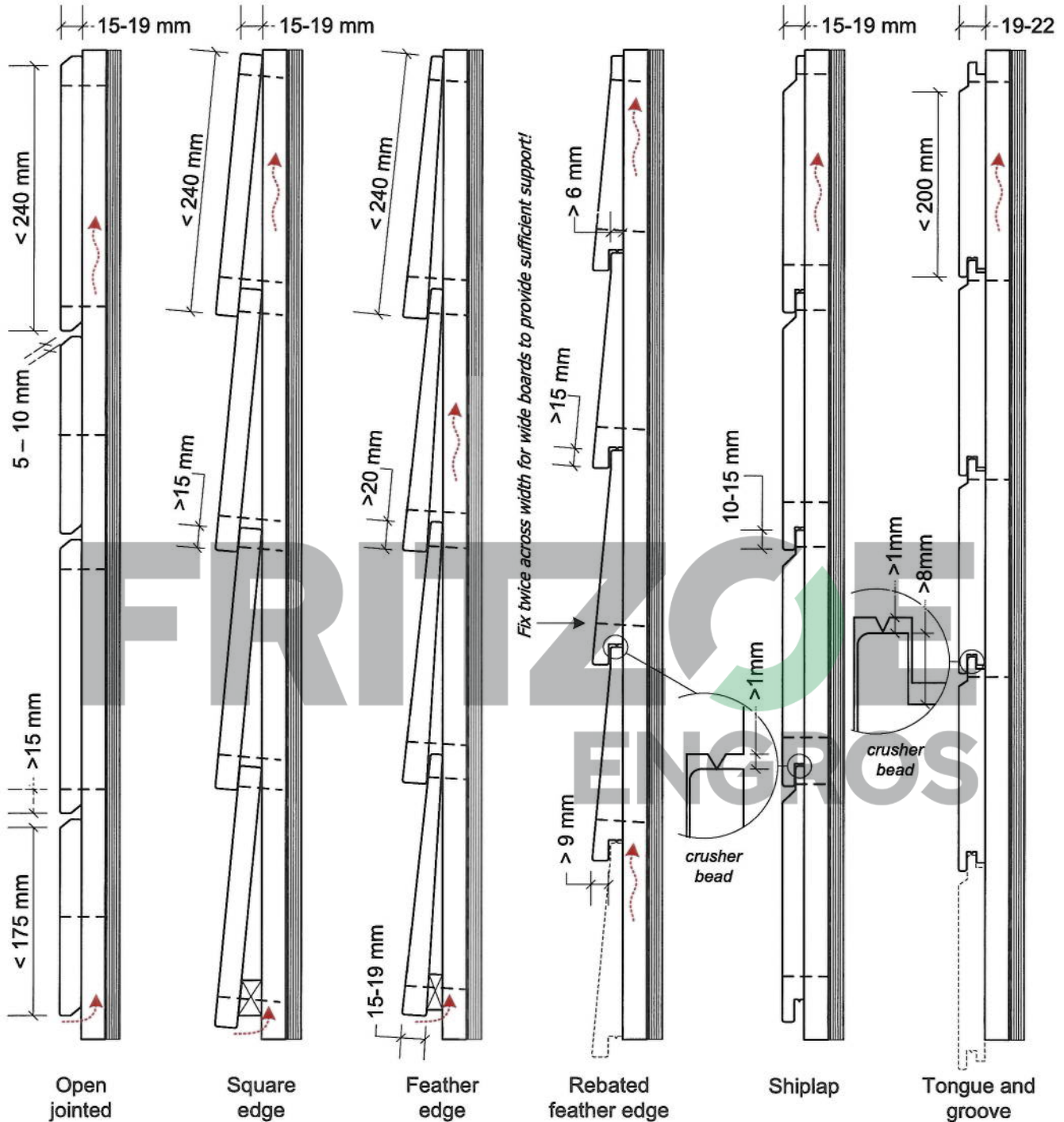
UK Accoya Cladding V11.15 - these guidelines have been written for professionals wishing to use Accoya to create beautiful, reliable and highly durable end products. Should you require further information, please contact Accsys through www.accsys.com.

The drawing shows the rough principles but are not meant to contain actual products. The system used must be designed to the specific project requirements, in accordance with all applicable building standards and regulations. The strength of the total system - spacing, number and type of fasteners required for the occurring wind load - must always be checked by a licensed engineer. To the best of the knowledge and belief of Accsys Technologies PLC the information contained in this document is in accordance with common building practice and is provided on the basis that Accsys Technologies and/or any of its affiliates, officers, employees or advisers are not liable for any loss or damage whatsoever in respect of the accuracy or completeness of such information or the result of having acted upon it.



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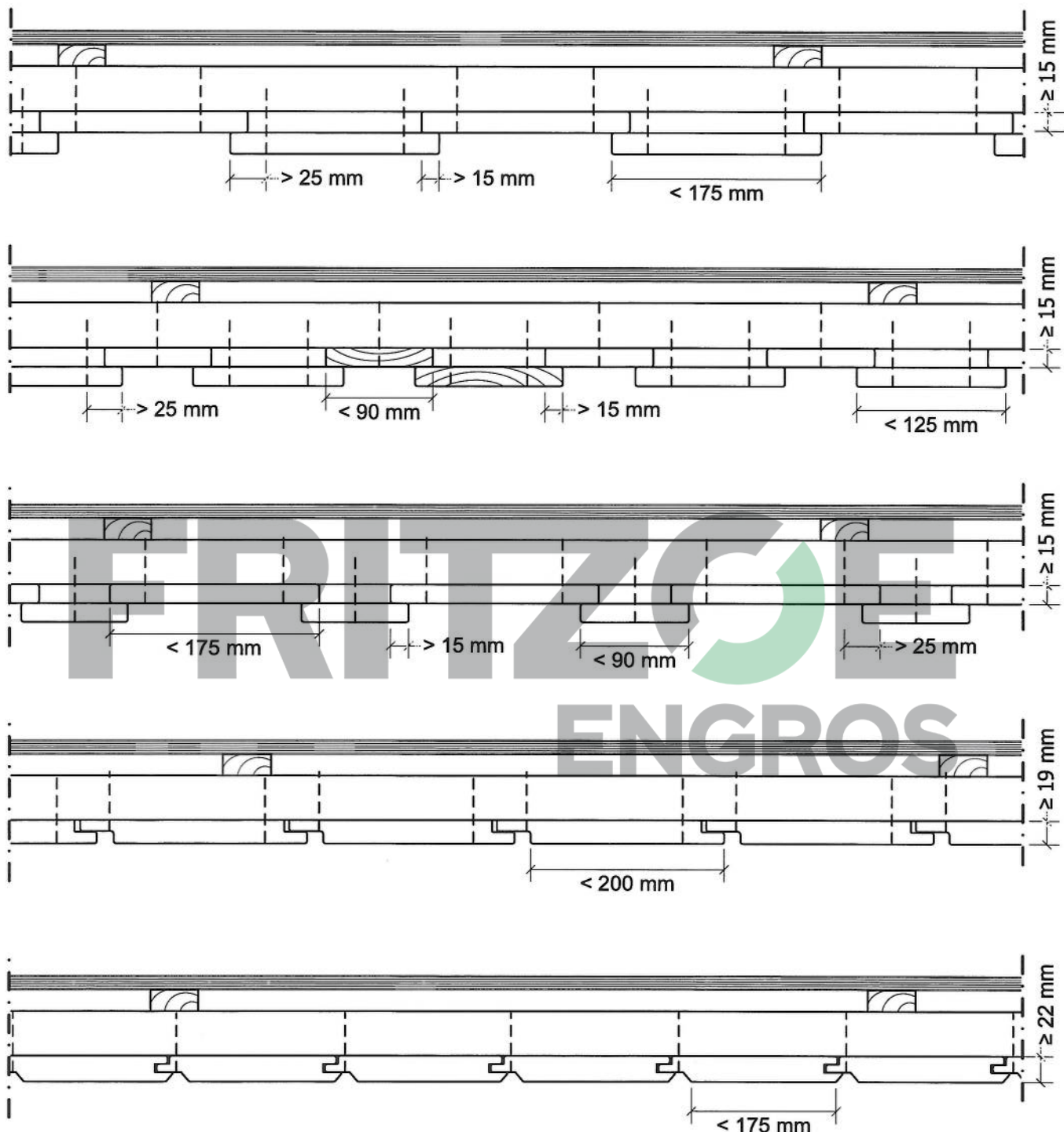
ACCSYS
TECHNOLOGIES



Board designs suitable for horizontal cladding are open jointed (with or without chamfering), (overlapping) square edge, (rebated) feather edge, shiplap and tongue and groove. Horizontal boards can be installed panellised or monolithic. When installed panellised, all end joints are in line, which simplifies fixing to battens. Please note that profiles that will be coated should have rounded corners (radius at least 3 mm).

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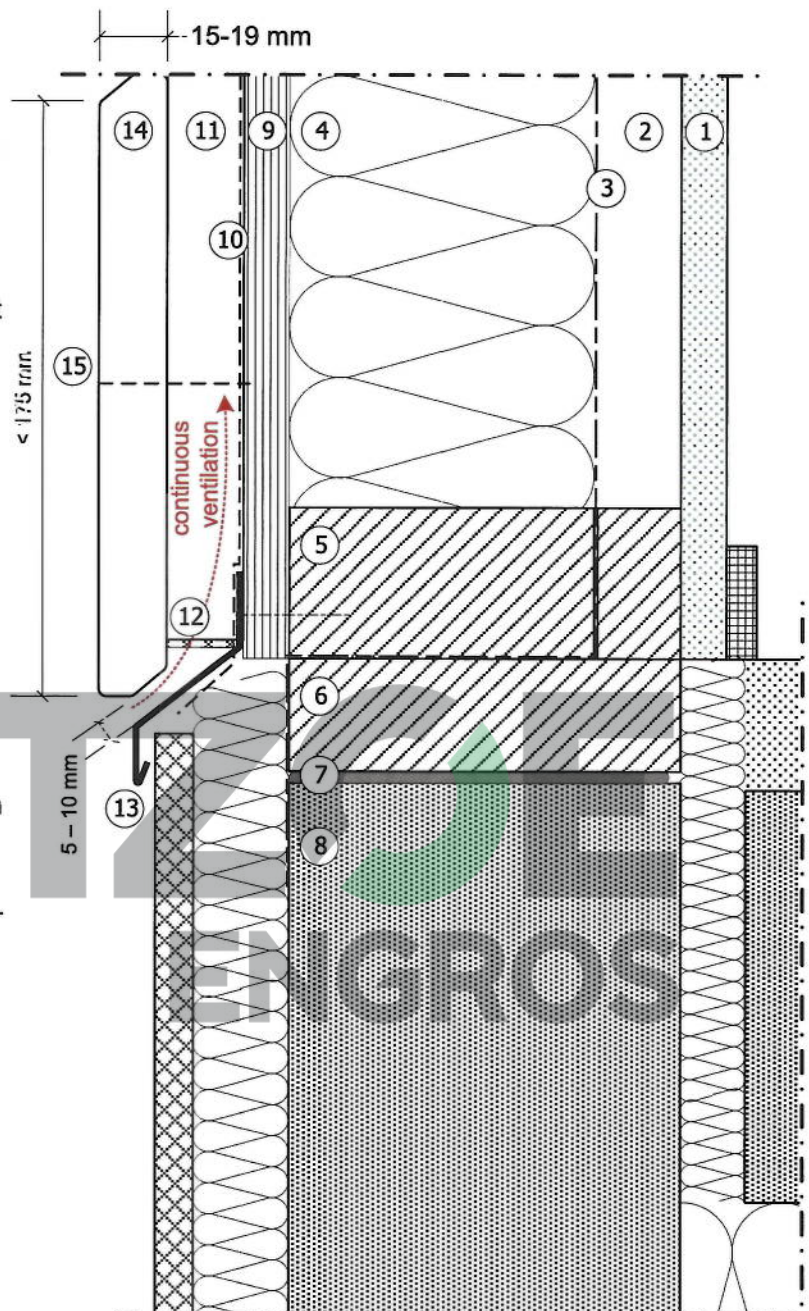
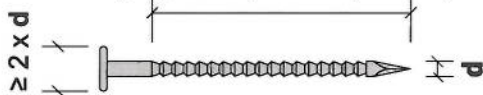


Board designs suitable for vertical boarding are (overlapping) square edge, shiplap and tongue and groove. When installing the profiles vertically at least two fasteners per board are necessary and at least one of these fasteners, such as a nail, will be visible. It is recommended to limit the board lengths to the storey height, and end joints must relate to batten positions. Please note that profiles that will be coated should have rounded corners (radius at least 3 mm).

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- 1 Room lining (such as plaster board).
- 2 Service void (optional, may also be filled with insulation material).
- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Wooden structural frame.
- 6 Soleplate.
- 7 DPC.
- 8 Wall and floor structure, details to be designed in line with strength and insulation requirements.
- 9 Structural sheathing board.
- 10 Water repellent breather membrane - UV resistant in case of open joints.
- 11 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 12 Vermin mesh of corrosion resistant metal, hole width ≤ 4 mm. Void area in line with ventilation requirements.
- 13 Preformed corrosion resistant metal flashing.
- 14 Accoya®; board thickness 15 - 19 mm.
- 15 Ring shank or other improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail \varnothing
 - to 80% of screw shank \varnothing

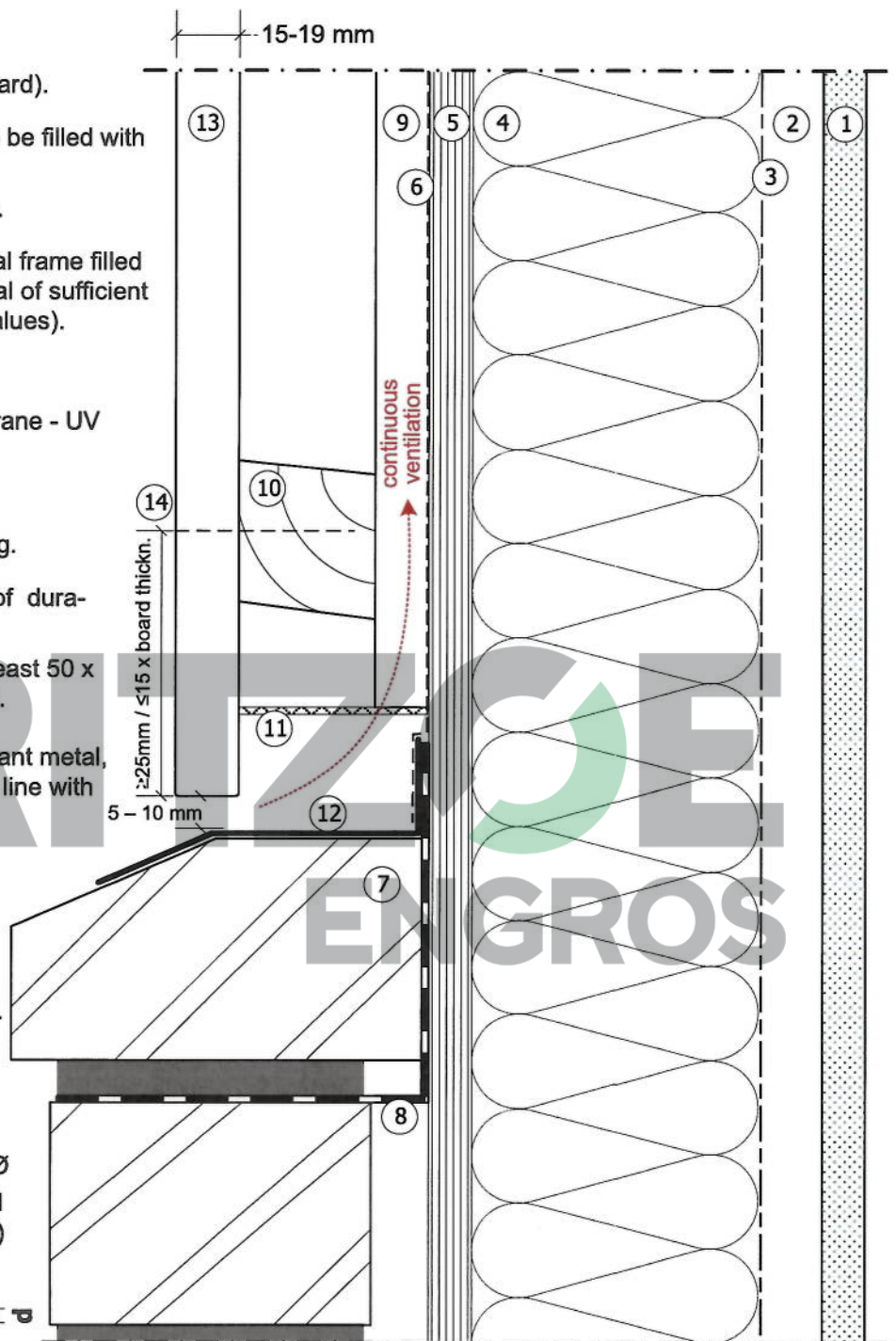
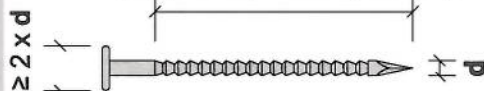


It is recommended to position the cladding above the splash zone, between ground level and a height of 200 to 250 mm. This will avoid rain water splashing onto the boards, which can cause staining and reduce the service life of coatings. Applying a gravel section below the cladding is recommended.

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15-19 mm

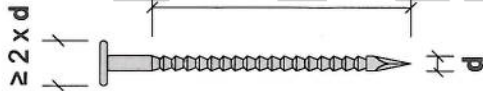
- 1 Room lining (such as plaster board).
- 2 Service void (optional, may also be filled with insulation material).
- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Brick base or cladding.
- 8 500 micron polyethylene flashing.
- 9 Vertical timber counter battens of durability class 1 or 2.
- 10 Horizontal timber battens of at least 50 x 25 mm, of durability class 1 or 2.
- 11 Vermin mesh of corrosion resistant metal, hole width ≤ 4 mm. Void area in line with ventilation requirements.
- 12 Code 4 lead flashing.
- 13 Accoya®, board thickness 15 - 19 mm.
- 14 Ring shank or improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail \varnothing
 - to 80% of screw shank \varnothing

Point side penetration ≥ 6 xd (ring shank) / 12xd (smooth)


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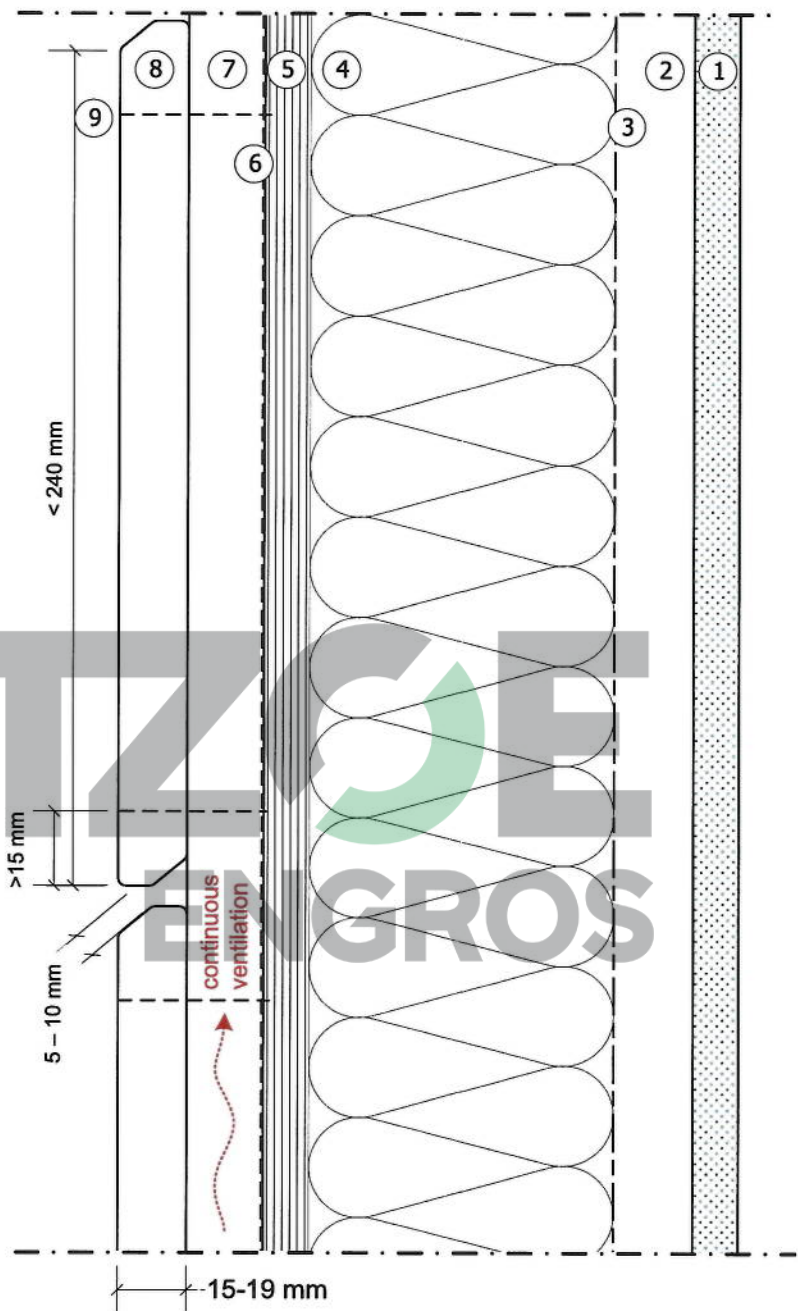
- 1 Room lining (such as plaster board).
- 2 Service void (optional, may also be filled with insulation material).
- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 8 Accoya®; board thickness 15 - 19 mm.
- 9 Ring shank or other improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail Ø
 - to 80% of screw shank Ø
 - Point side penetration ≥ 6xd (ring shank) / 12xd (smooth)



Joints

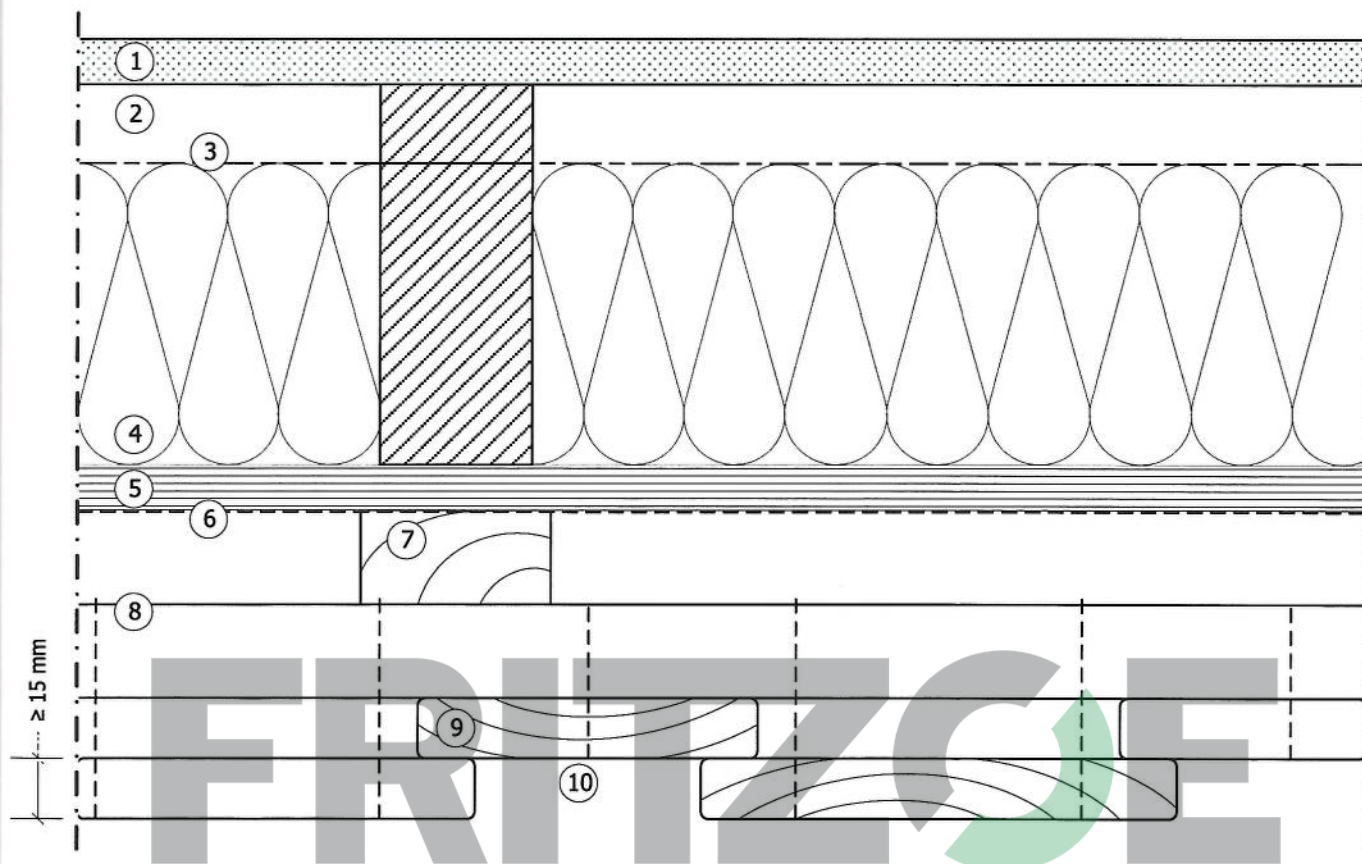
Accoya® cladding boards need to be installed with a mutual distance of at least 1 mm. When meeting other construction elements and/or between the length of two boards, a free space of 5 - 10 mm should be allowed for.

When open jointed, a vermin mesh might be required at certain joint widths. Please check local building codes to verify requirements.



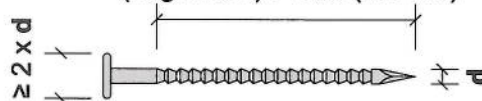
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- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Vertical timber counter battens of durability class 1 or 2.
- 8 Horizontal timber battens of at least 50 x 25 mm, of durability class 1 or 2.
- 9 Accoya®; minimum board thickness 15 mm.

- 10 Ring shank or other improved nails:
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 - Holes pre-drilled:
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 - to 80% of screw shank Ø



Joints

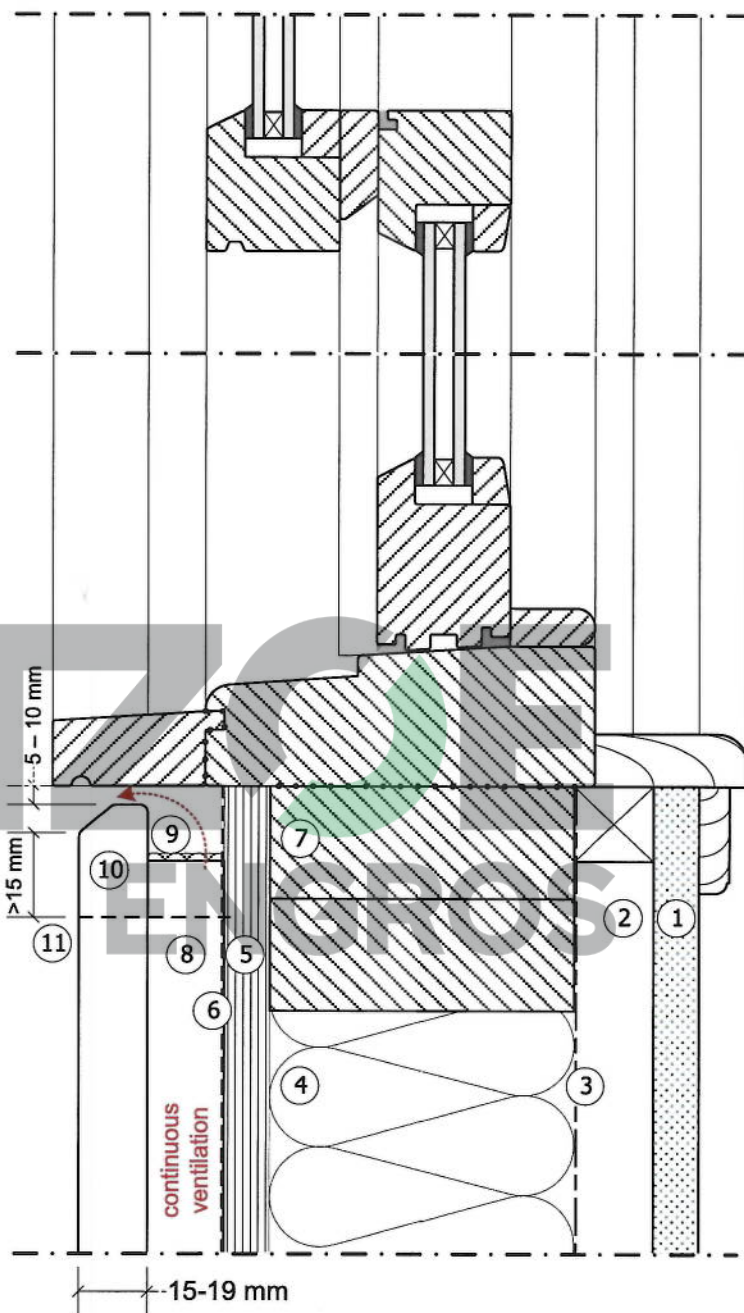
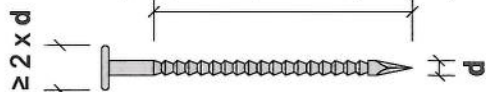
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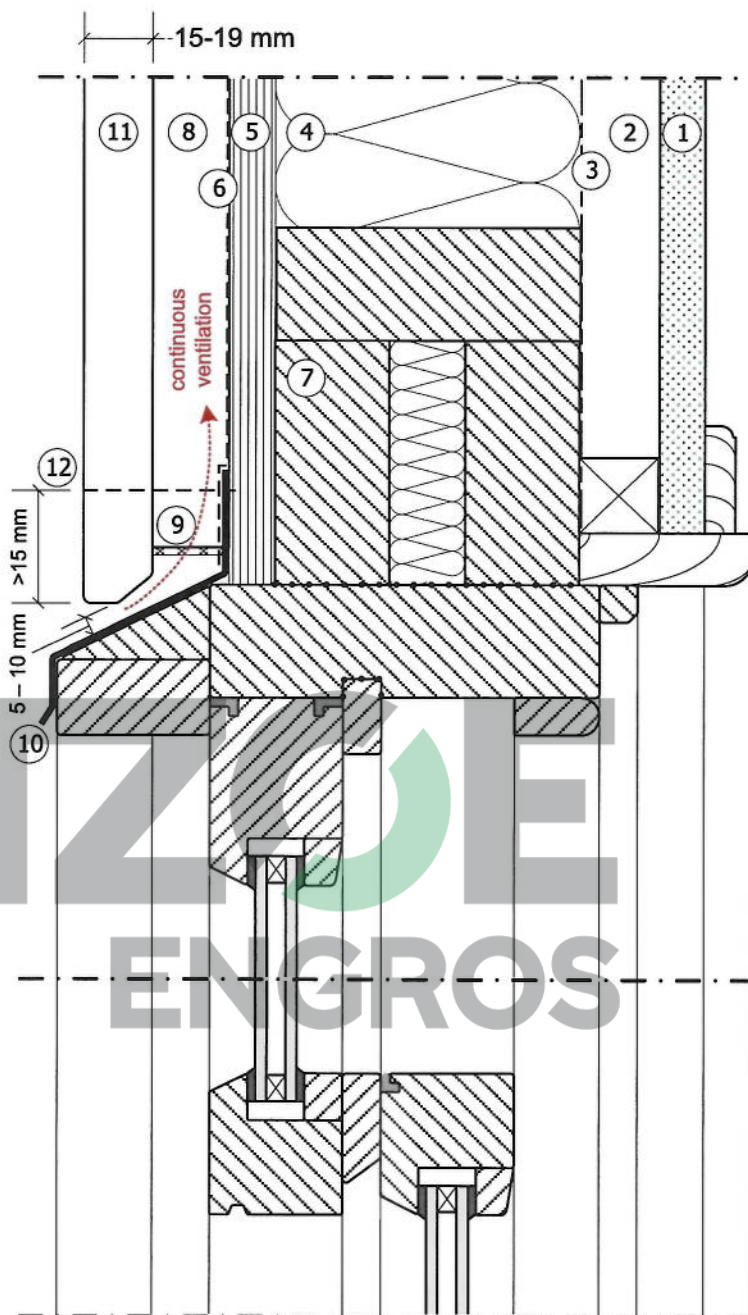
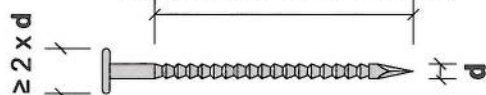
- 1 Room lining (such as plaster board).
- 2 Service void (optional, may also be filled with insulation material).
- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Framing.
- 8 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 9 Vermin mesh of corrosion resistant metal, hole width ≤ 4 mm. Void area in line with ventilation requirements.
- 10 Accoya®; board thickness 15 - 19 mm.
- 11 Ring shank or other improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail \varnothing
 - to 80% of screw shank \varnothing
 - Point side penetration $\geq 6 \times d$ (ring shank) / $12 \times d$ (smooth)



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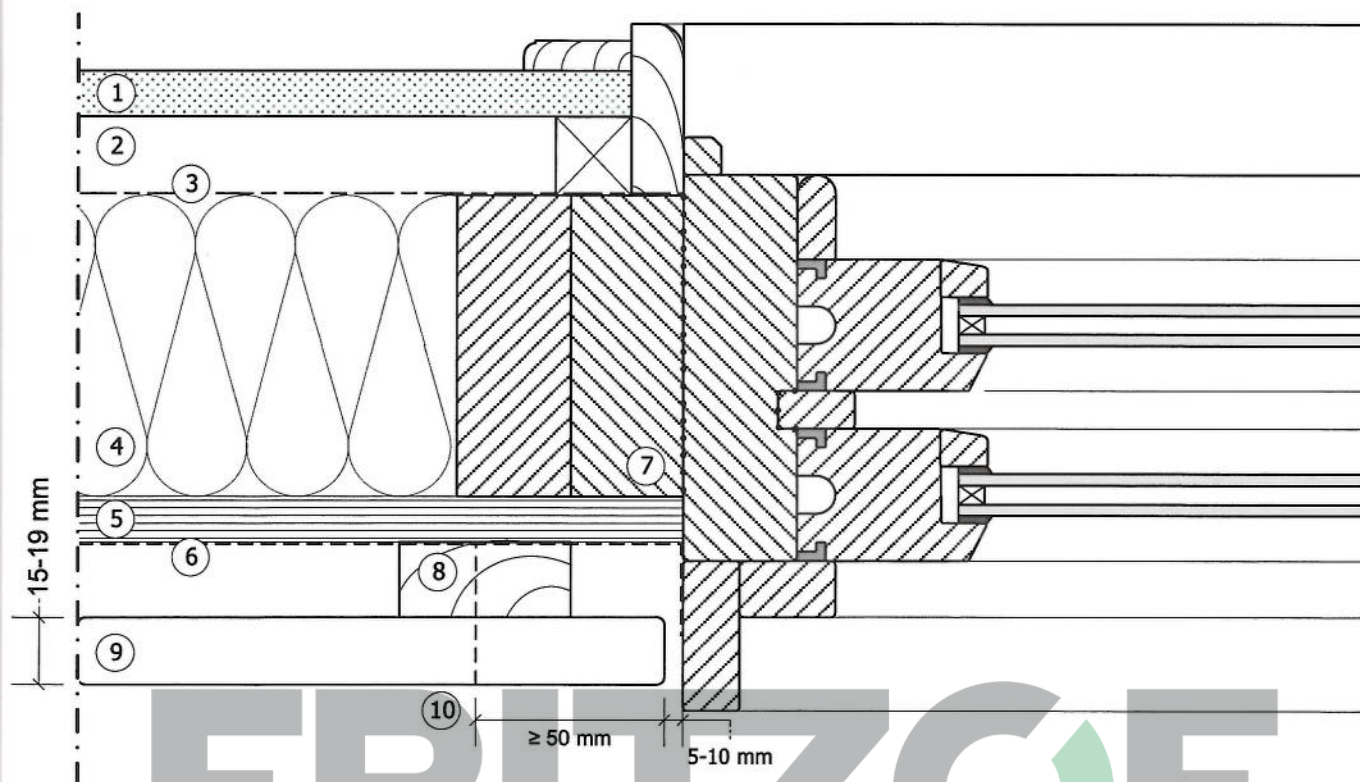
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 - to 80% of screw shank \varnothing
 - Point side penetration $\geq 6 \times d$ (ring shank) / $12 \times d$ (smooth)



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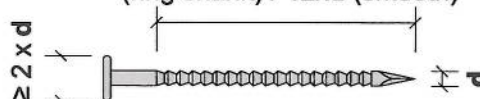
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- 2 Service void (optional, may also be filled with insulation material).
- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Framing.
- 8 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 9 Accoya®; minimum board thickness 15 mm.

10 Ring shank or other improved nails:

- grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
- Holes pre-drilled:
 - 1 mm less than nail Ø
 - to 80% of screw shank Ø
 - Point side penetration ≥ 6xd (ring shank) / 12xd (smooth)



Joints

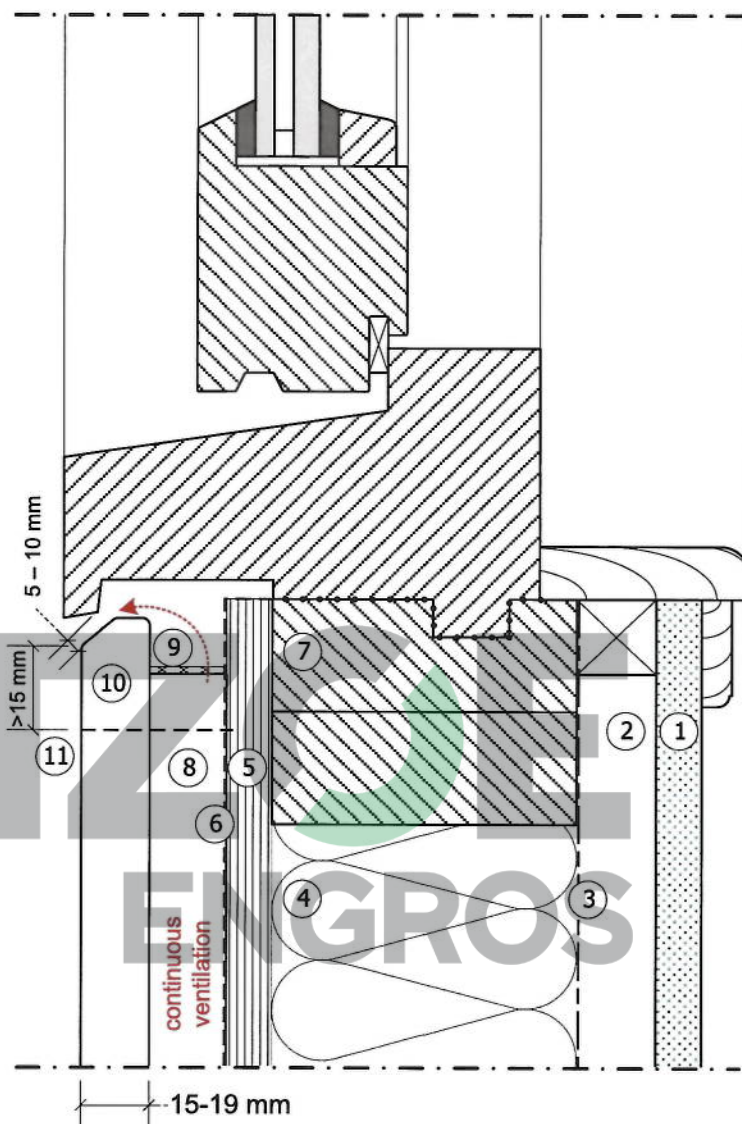
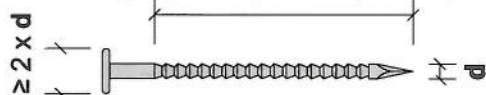
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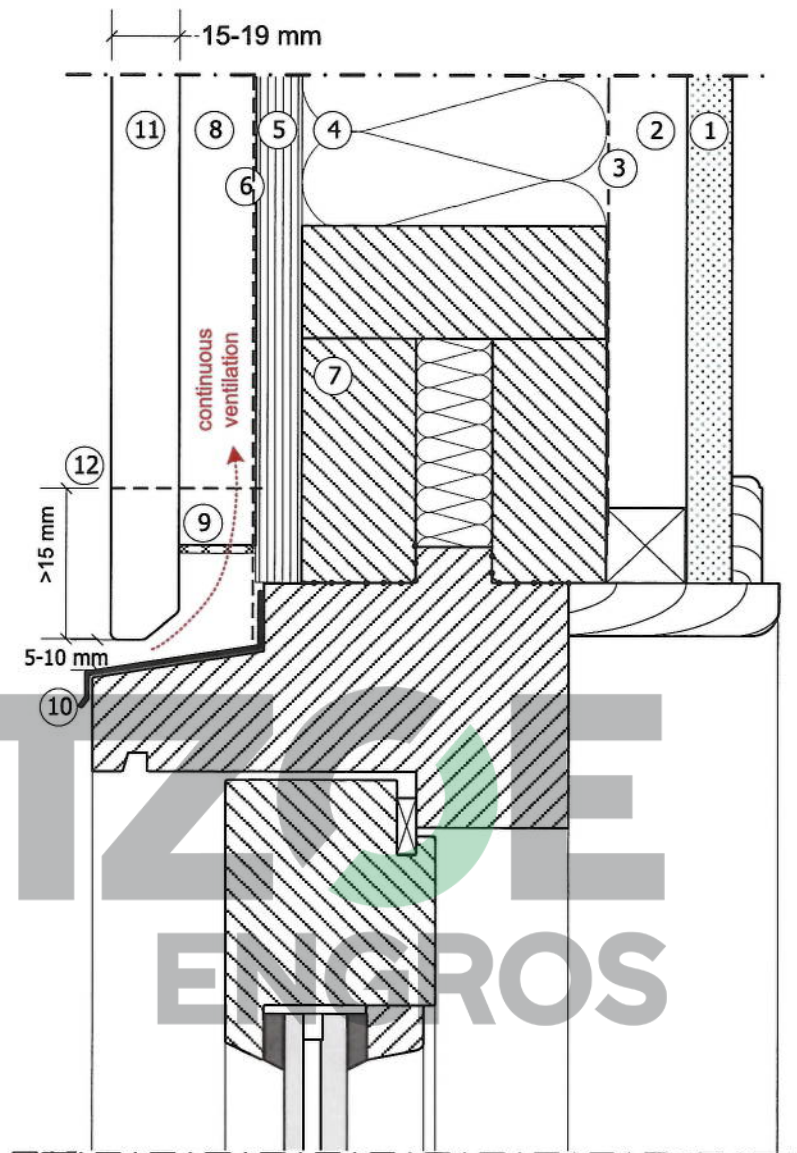
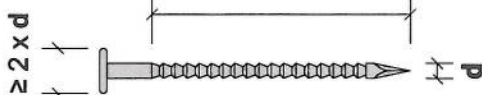
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- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Framing.
- 8 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 9 Vermin mesh of corrosion resistant metal, hole width ≤ 4 mm. Void area in line with ventilation requirements.
- 10 Accoya®; board thickness 15 - 19 mm.
- 11 Ring shank or other improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail \varnothing
 - to 80% of screw shank \varnothing
 - Point side penetration $\geq 6 \times d$ (ring shank) / $12 \times d$ (smooth)

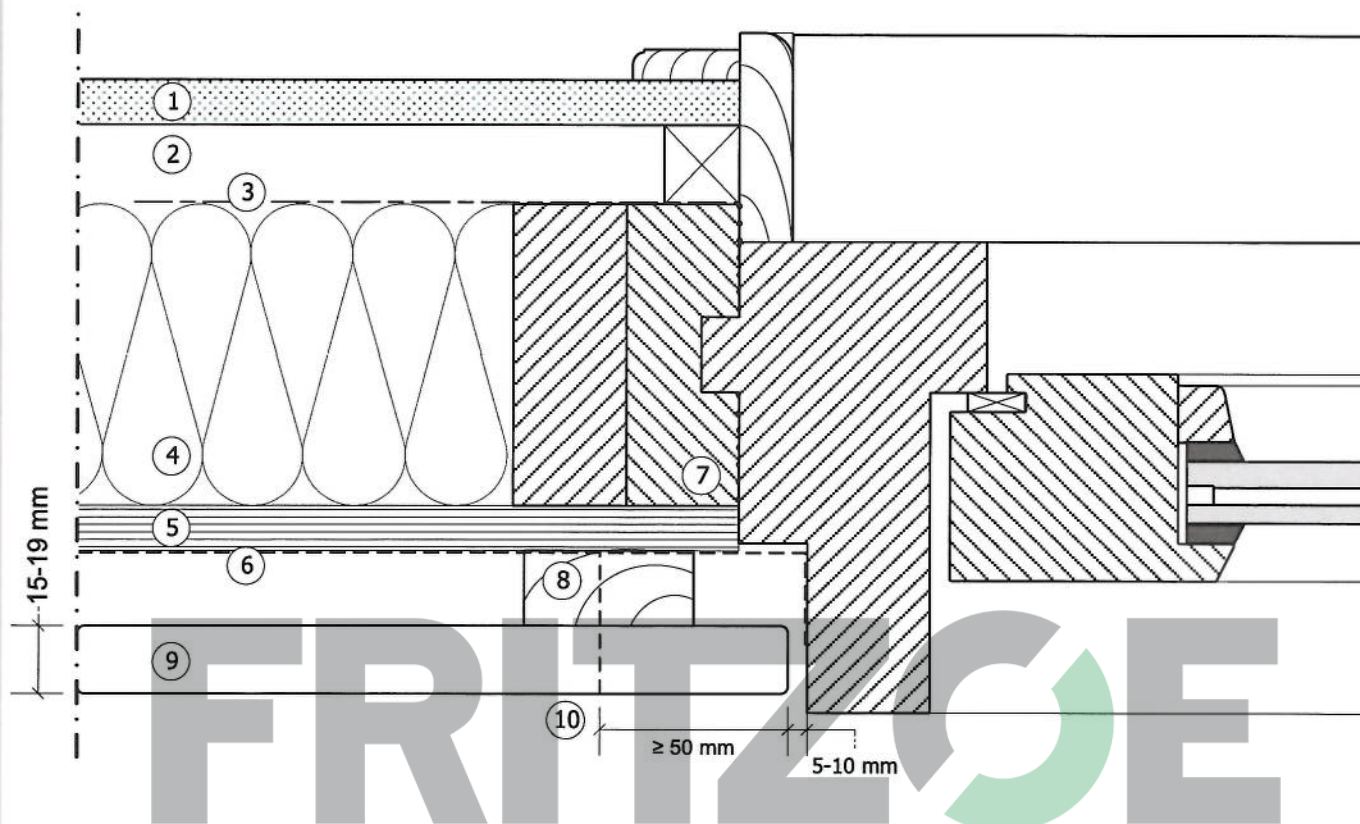


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- 2 Service void (optional, may also be filled with insulation material).
- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Framing.
- 8 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 9 Vermin mesh of corrosion resistant metal, max hole width 4 mm. Void area in line with ventilation requirements.
- 10 Preformed corrosion resistant metal flashing.
- 11 Accoya®; board thickness 15 - 19 mm.
- 12 Ring shank or other improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail Ø
 - to 80% of screw shank Ø

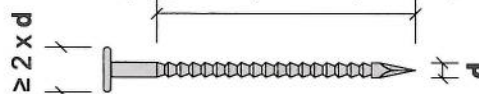


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- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Framing.
- 8 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 9 Accoya®; minimum board thickness 15 mm.

- 10 Ring shank or other improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail Ø
 - to 80% of screw shank Ø
 - Point side penetration ≥ 6xd (ring shank) / 12xd (smooth)



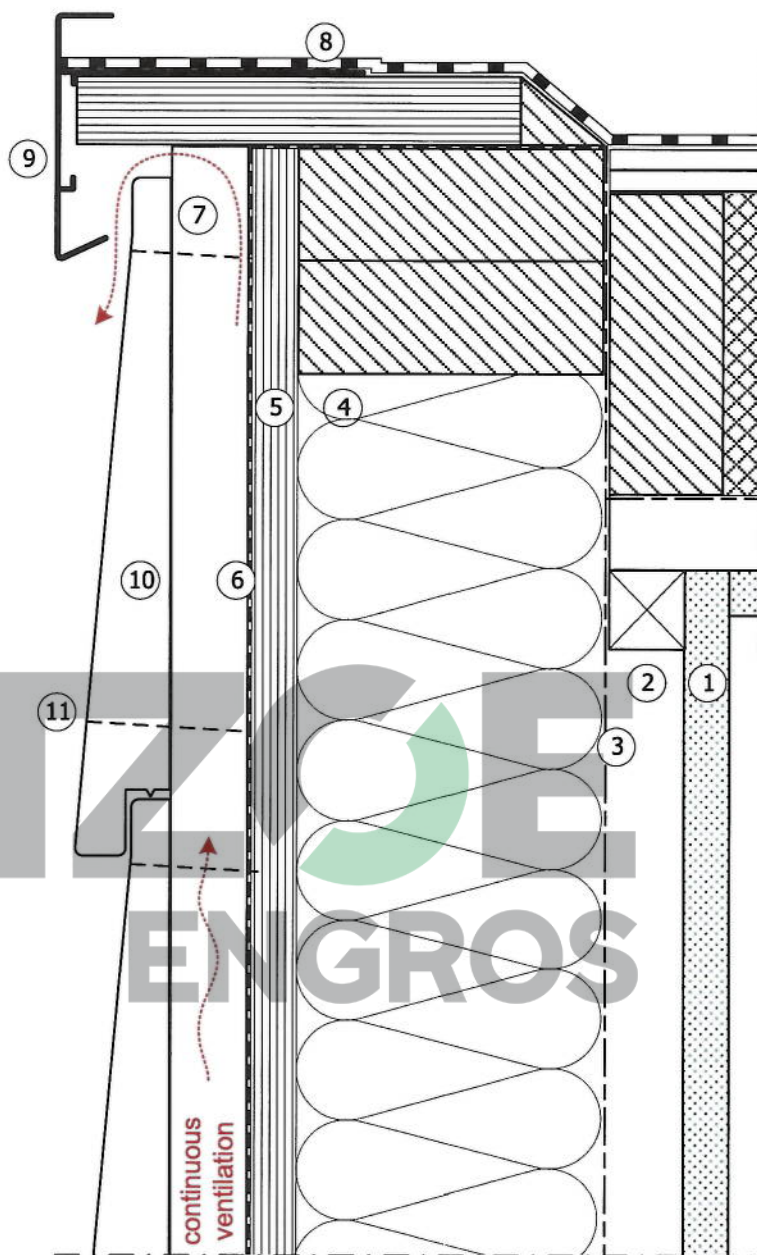
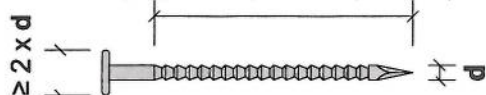
Joints

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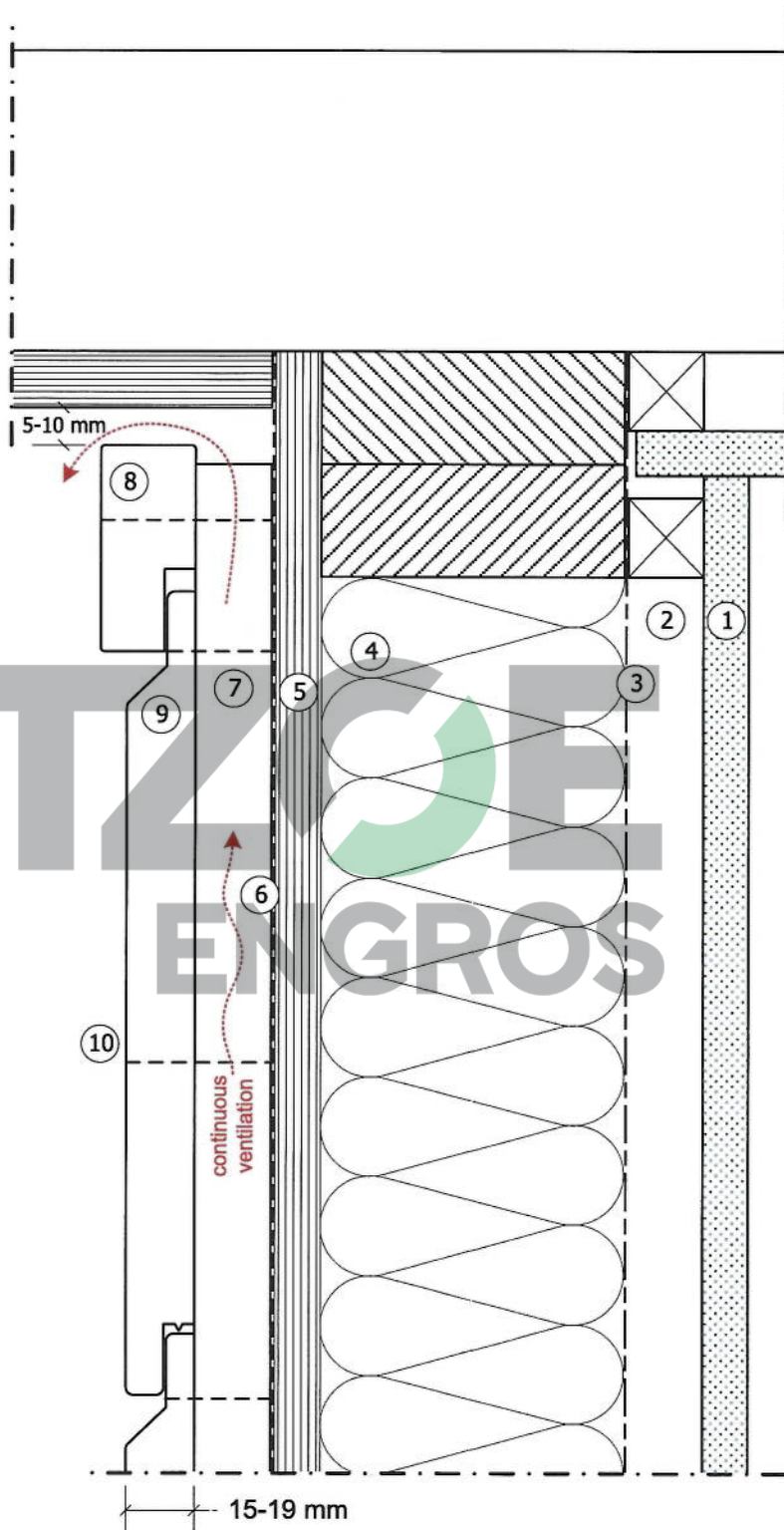
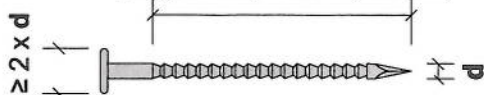
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- 2 Service void (optional, may also be filled with insulation material).
- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 8 Roofing material to specification.
- 9 Roof trim (corrosion resistant), details to project requirements; a minimum gap of 5 mm should be kept between the surface of the panel and the trim to ensure ventilation.
- 10 Accoya®; board thickness 15 - 19 mm.
- 11 Ring shank or other improved nails:
 - grade 1.4301 (general applications) or grade 1.4401 (coastal or industrial sites)
 - Holes pre-drilled:
 - 1 mm less than nail Ø
 - to 80% of screw shank Ø

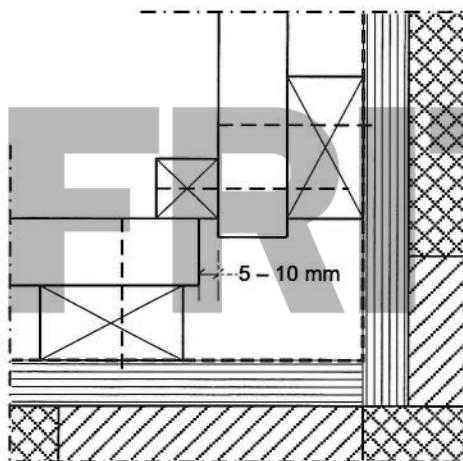
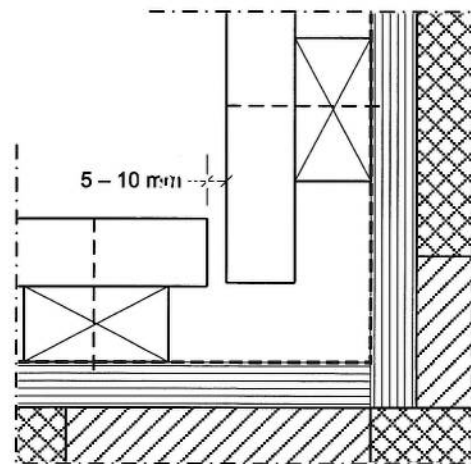
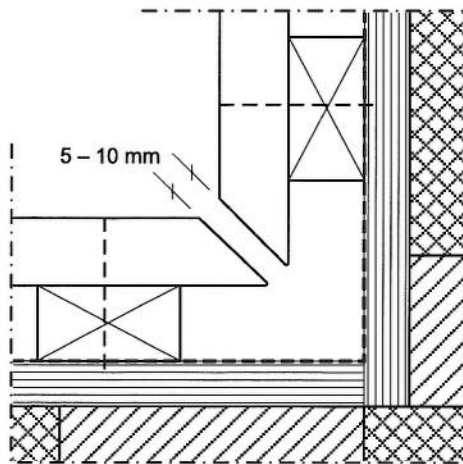


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- 3 Air barrier / vapour control layer.
- 4 Wall structure (wooden structural frame filled with a suitable insulation material of sufficient thickness to achieve required values).
- 5 Structural sheathing board.
- 6 Water repellent breather membrane - UV resistant in case of open joints.
- 7 Vertical timber battens of at least 38 x 19 mm of durability class 1 or 2.
- 8 Accoya® frieze board
- 9 Accoya®, board thickness 15 - 19 mm.
- 10 Ring shank or other improved nails:
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 - Holes pre-drilled:
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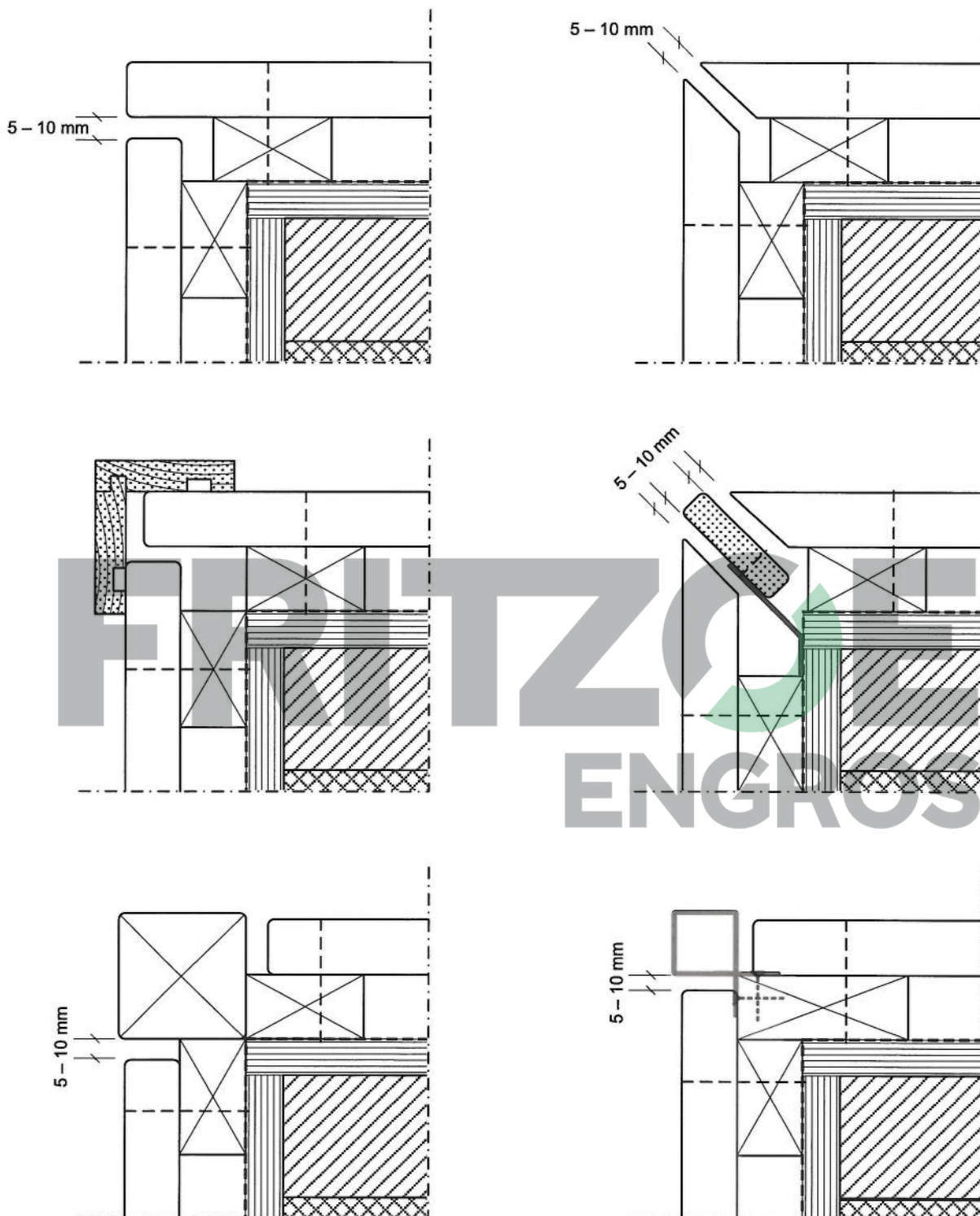
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