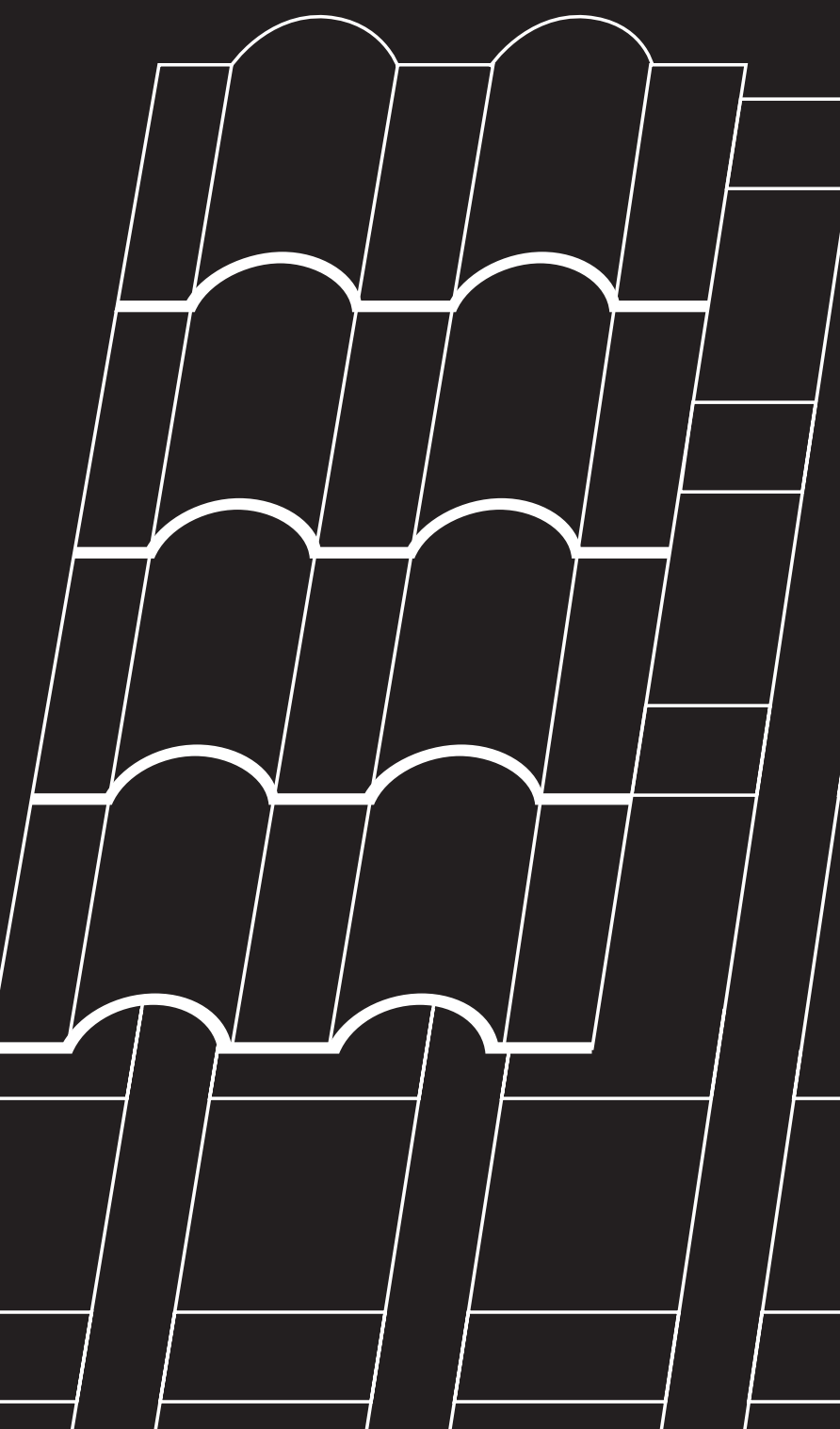




The specialist for fastening technology

FASTENING SOLUTIONS

ROOF



ROOFING MEMBRANES

ROOF FIXINGS

ROOFING ACCESSORIES

www.eurotec.team/en



TABLE OF CONTENTS

| | |
|--|------|
| ROOFING MEMBRANES | 4-13 |
| Short overview roof lining/sarking membrane..... | 6 |

| | |
|--|-------|
| Roof lining/sarking membrane | 6-13 |
| ZVDH/Quality assurance and certifications..... | 7 |
| Roof lining/sarking membrane Top 150..... | 8-9 |
| Roof lining/sarking membrane Top 180..... | 10-11 |
| Vapour barrier DB 140..... | 12-13 |

| | |
|--|-------|
| ROOF FIXINGS | 14-31 |
| Short overview Topduo roofing screw..... | 16 |
| Request form on-roof insulation | 17 |
| Topduo roofing screw | 18-19 |
| Sandwich panel screw | 20-21 |
| Washed screw | 22-23 |
| Roofing screw | 24 |
| Bugle-head screw..... | 25 |

| | |
|---------------------------------|-------|
| Fibre cement screw | 26-29 |
| Fibre cement screw..... | 28 |
| Fibre cement screw A2 | 29 |

| | |
|-----------------------------|----|
| Insulating stud anchor..... | 30 |
|-----------------------------|----|

| | |
|---|-------|
| ROOFING ACCESSORIES | 32-43 |
| Ridge end disc | 34 |
| Roller ridge..... | 34 |
| Eaves ventilation element | 35 |
| Bird protection screen/ventilation profile..... | 35 |
| Hip and ridge batten holder 50..... | 36 |
| Optimal screw connection..... | 36 |
| Ridge batten holder..... | 38 |
| Wall and fireplace connection..... | 40 |
| Bird control spikes | 40 |
| Uni Tape..... | 41 |
| Downpipe hose..... | 42 |
| Roof venting hose..... | 42 |
| Wall connection bar | 43 |

| | |
|-------------------------------------|-------|
| THE EUROTEC BIM PORTAL | 44-45 |
|-------------------------------------|-------|

ROOFING MEMBRANES





ROOF LINING/SARKING MEMBRANE

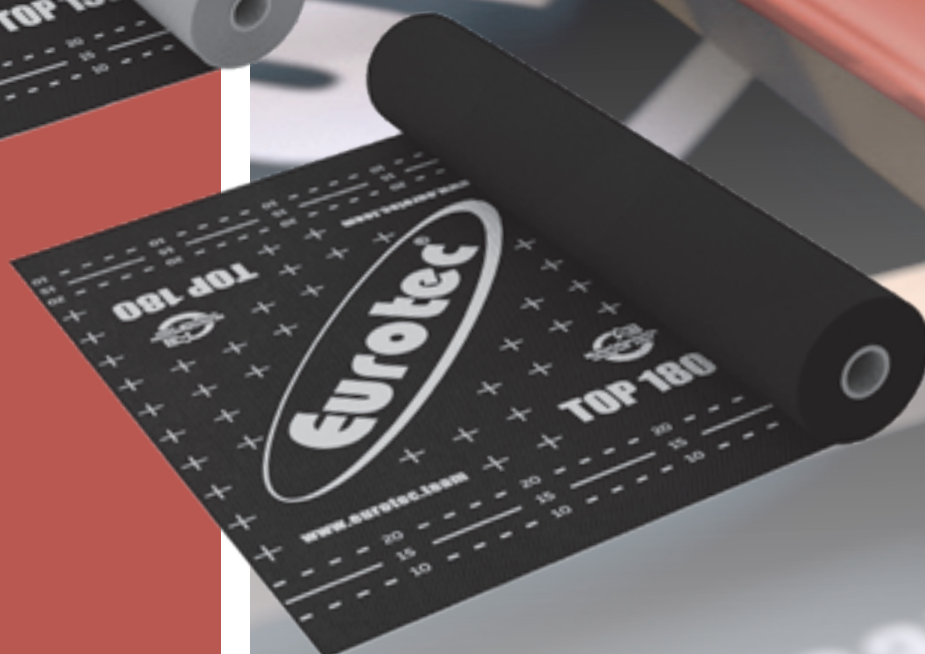
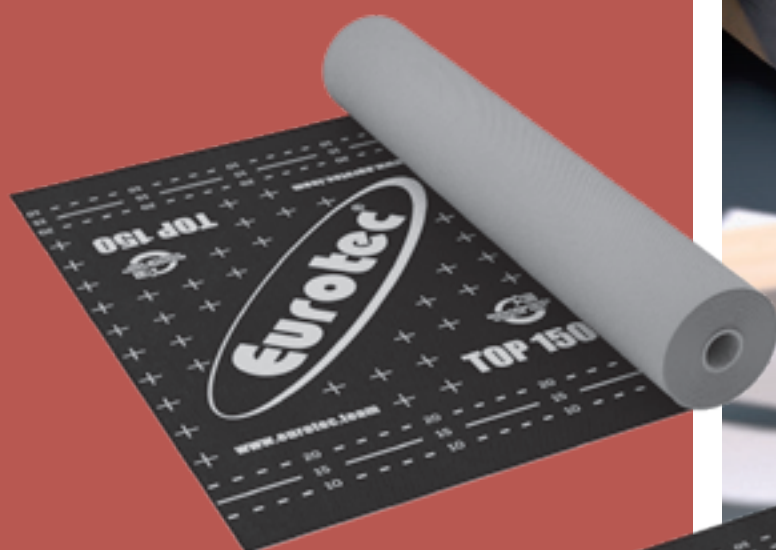
Effective protection against moisture, wind and dust ingress from the outside

The roof surface provides a considerable part of the building's protection from the weather and is a core component of any energy-efficient building.

Nowadays, in order to guarantee durable and energy efficient roof structures, all components within the roof structure must meet strict constructional requirements.

FUNCTIONAL LAYERS OF A ROOF STRUCTURE

Vapour barriers and roof lining or sarking membranes are **important functional layers of any roof structure**. These components are part of our product portfolio and provide you with a **reliable solution for your roof**. The components we offer for each system are designed to work together and meet all the requirements of modern roof structures.



ZVDH – THE CENTRAL ASSOCIATION OF THE GERMAN ROOFING TRADE

ZVDH stands for the Central Association of the German Roofing Trade. The guidelines and standards set by this association form the technical rules of the roofing trade. Their purpose is to ensure the quality and safety of the roofing work. These technical rules cover various aspects of the roofing trade, such as the material requirements, execution standards, safety and quality standards.

To ensure that the work performed by roofers meets the industry-specific requirements, it is important that you follow these rules. The technical rules may vary between the federal states and regions; as they are often set at a national or regional level. If you are looking for specific information regarding the technical rules of the roofing trade, it might be helpful to contact the Central Association of the German Roofing Trade directly for the latest regulations.



QUALITY ASSURANCE AND CERTIFICATIONS

Our top priority is to offer our customers impeccable products and services whilst guaranteeing 100% on-time deliveries. We expect each and every one of our employees to be fully committed to quality. Hence, we always put the training and further development of customer- and quality-oriented thinking and actions first and foremost. We are committed to compliance with the legal and regulatory requirements within an economic framework and the promotion of environmentally conscious behaviours.

As a result, we are proud that almost all of our products in the wood, façade and concrete segment come with ETA certification. It goes without saying that our quality assurance department performs daily checks on the produced batches to guarantee our standards, i.e. the products' conformity with the drawings, functionality, appearance as well as compliance with customer specifications.

This is the only way we can be sure that we are providing our customers with the consistently high quality they have come to expect from us.



QUALITY FORMS THE BASIS
OF ALL OUR ACTIVITIES.

ROOF LINING/SARKING MEMBRANE TOP 150

Effective protection against moisture, wind and dust ingress from the outside

The roof lining/sarking membrane Top 150 is a **3-layer, highly vapour-permeable roof lining membrane** and suitable for insulated, ventilated and un-ventilated pitched roofs, including those with formwork, even if they are fully exposed to water, e.g. in the form of precipitation and, if the joints are closed, also as a façade membrane. It is characterised by an **increased tensile strength**, which greatly increases the working comfort. During the installation, there is no need for a ventilation slot between the membrane and the thermal insulation (mineral wool, glass fibre) – the product **can be installed directly on top of the thermal insulation**. The roof lining/sarking membrane Top 150 is suitable for use with almost all types of roof coverings – it is recommended for metal and aluminium roofs as well as for concrete and clay tiles.

Roof lining/sarking membrane Top 150

| Item number | Designation | Dimensions | PU |
|-------------|-------------|-------------------------------------|----|
| 954224 | Top 150 | 145 g/m ² ; 1.5 m x 50 m | 1 |



ADVANTAGES

- Filed with the ZVDH in the product data sheet under USB-A/UDB-A
- High tensile strength
- UV resistance
- Water resistance > 3000 mm H₂O
- 4 weeks of outdoor weathering as a temporary cover
- Suitable as a sarking and roof lining membrane
- With two self-adhesive tapes



i

NOTE

The final roof covering must be installed with battens and counter battens.

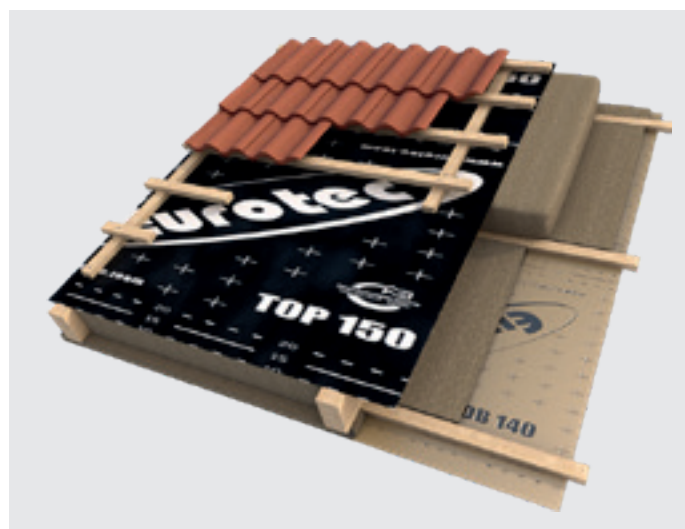
To
match*

Our Uni Tape

(More about this on p. 41)











*Not included in the scope of delivery.



Exemplary roof structure with the installed Eurotec roof lining/sarking membrane Top 150.

MAIN FEATURES

| | | | | | |
|---|----------------------|-----------------------------|---|---------------------------|-----------------------------------|
|  | Surface-related mass | approx. 150g/m ² |  | Water vapour permeability | 3000 g/m ² /24h |
|  | SD value | approx. 0.02 m |  | UV resistance | 4 months* |
|  | Water permeability | W1 |  | Roll size | 75 m ² (1.5 m x 50 m) |
|  | Pallet | 50 rolls |  | UV exposure time | 4 weeks |

*Based on the artificial ageing tested in the laboratory, the UV stabilisation lasts up to 4 months, in terms of an average sun exposure typical for the Central European climate.

TECHNICAL INFORMATION

| Essential features | Harmonised technical specification | Values | Class/values |
|---------------------------------------|------------------------------------|---|--------------|
| Fire performance | EN 13501-1 | E | Klasa |
| Watertightness | EN 1928 | W1 | Klasa |
| Tear strength longitudinal | EN 12311-1 EN 13859-1 | 300 N/50 mm (+/- 40 N/50 mm) | MDV |
| Tear strength transverse | EN 12311-1 EN 13859-1 | 220 N/50 mm (+/- 20 N/50 mm) | MDV |
| Elongation longitudinal | EN 12311-1 EN 13859-1 | 35%–70% | MDV |
| Elongation transverse | EN 12311-1 EN 13859-1 | 50%–90% | MDV |
| Tear propagation longitudinal | EN 12310-1 EN 13859-1/B | 175 N (+/-30N) | MDV |
| Tear propagation transverse | EN 12310-1 EN 13859-1/B | 150 N (+/-30 N) | MDV |
| Low-temperature flexibility | EN 1109 | at -40°C conforming | MLV |
| Artificial ageing in terms of: | Annexe C EN 13859-1 | | |
| Watertightness | EN 1928 | W1 | Class |
| Tear strength longitudinal | EN 12311-1 EN 13859-1 | 280 N (+/-50 N) | MLV |
| Tear strength transverse | EN 12311-1 EN 13859-1 | 185 N (+/-40 N) | MLV |
| Elongation longitudinal | EN 12311-1 EN 13859-1 | 30%–60% | MDV |
| Elongation transverse | EN 12311-1 EN 13859-1 | 40%–80% | MDV |
| Length | EN 1848-2 | 50 m (-0%) | MLV |
| Width | EN 1848-2 | 1.5 m (-0.5%) or 3.0 (-0.5%) | MLV |
| Mass per unit area | EN 1848-2 | 145 g/m ² (+/-10 gm ²) | MDV |
| Straightness | EN 1848-2 | Conforming | MDV |
| Water vapour permeability | EN 12572/C | Sd = 0.025 m (-0.01/+0.035) | MDV |

INSTRUCTIONS FOR USE

For use as an underlay for insulated and ventilated pitched roofs, here also for roofs with board cladding. Very well suited for roof renovations and loft renovations in "inverted roof systems". If the roof covering is unventilated, the roof lining membrane is used in direct contact with the thermal insulation (mineral wool, glass wool, etc.), which has the advantage that the roof lining membrane can be installed directly on top of the thermal insulation. The roof covering is attached to the roof lining membrane using roof battens and counter battens. Suitable for almost all roof systems – especially under roofing tiles, stones, pantile profiles, aluminium sheets, etc.

ROOF LINING/SARKING MEMBRANE TOP 180

Effective protection against moisture, wind and dust ingress from the outside

The roof lining/sarking membrane Top 180 is a **3-layer, highly vapour-permeable roof lining membrane** and suitable for insulated, ventilated and unventilated steep roofs and, if the joints are closed, also as a façade membrane. It has the **highest tensile strength** in its class and is suitable for roof coverings with concrete, ceramic and metal roof tiles as well as for roof coverings using metal sheets and natural slate. During the installation, there is no need for a ventilation slot between the membrane and the thermal insulation (mineral wool, glass fibre) – the product can be installed directly on top of the thermal insulation.

Roof lining/sarking membrane Top 180

| Item number | Designation | Dimensions | PU |
|-------------|-------------|-------------------------------------|----|
| 954225 | Top 180 | 180 g/m ² ; 1.5 m x 50 m | 1 |



ADVANTAGES

- Filed with the ZVDH in the product data sheet under USB-A/UDB-A
- Tensile strength
- Water resistance > 3000 mm H₂O
- High vapour permeability
- 4 weeks of outdoor weathering as a temporary cover
- Suitable as a sarking and roof lining membrane
- With two self-adhesive tapes



NOTE

The final roof covering must be installed with battens and counter battens.

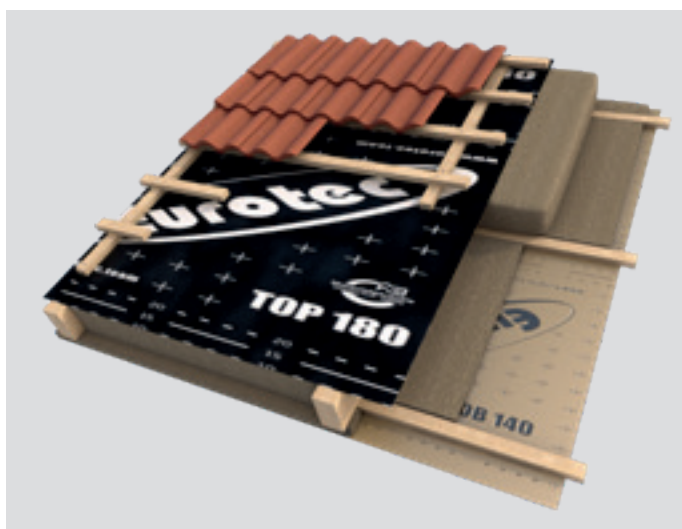
To
match*

Our Uni Tape

(More about this on p. 41)











*Not included in the scope of delivery.



Exemplary roof structure with the installed Eurotec roof lining/sarking membrane Top 180.

MAIN FEATURES

| | | | | | |
|---|----------------------|-----------------------------|---|---------------------------|-----------------------------------|
|  | Surface-related mass | approx. 180g/m ² |  | Water vapour permeability | 3000 g/m ² /24h |
|  | SD value | approx. 0.02 m |  | UV resistance | 4 months* |
|  | Water permeability | W1 |  | Roll size | 75 m ² (1.5 m x 50 m) |
|  | Pallet | 40 rolls |  | UV exposure time | 4 weeks |

*Based on artificial ageing tests conducted in a laboratory, the UV stabilisation lasts for up to 4 months, in terms of an average sun exposure typical for the Central European climate.

TECHNICAL INFORMATION

| Essential features | Harmonised technical specification | Values | Class/values |
|--------------------------------|------------------------------------|---|--------------|
| Fire performance | EN 13501-1 | E | Klasa |
| Watertightness | EN 1928 | W1 | Klasa |
| Tear strength longitudinal | EN 12311-1 EN 13859-1 | 360 N/50 mm (+/- 50 N/50 mm) | MDV |
| Tear strength transverse | EN 12311-1 EN 13859-1 | 250 N/50 mm (+/- 35 N/50 mm) | MDV |
| Elongation longitudinal | EN 12311-1 EN 13859-1 | 35%–70% | MDV |
| Elongation transverse | EN 12311-1 EN 13859-1 | 50%–90% | MDV |
| Tear propagation longitudinal | EN 12310-1 EN 13859-1/ B | 250 N (+/- 50N) | MDV |
| Tear propagation transverse | EN 12310-1 EN 13859-1/ B | 200 N (+/- 50 N) | MDV |
| Low-temperature flexibility | EN 1109 | at -40°C conforming | MLV |
| Artificial ageing in terms of: | Annexe C EN 13859-1 | | |
| Watertightness | EN 1928 | W1 | Class |
| Tear strength longitudinal | EN 12311-1 EN 13859-1 | 320 N (+/- 50 N) | MLV |
| Tear strength transverse | EN 12311-1 EN 13859-1 | 230 N (+/- 40 N) | MLV |
| Elongation longitudinal | EN 12311-1 EN 13859-1 | 25%–60% | MDV |
| Elongation transverse | EN 12311-1 EN 13859-1 | 40%–80% | MDV |
| Length | EN 1848-2 | 50 m (-0%) | MLV |
| Width | EN 1848-2 | 1.5 m (-0.5%) or 3.0 (-0.5%) | MLV |
| Mass per unit area | EN 1848-2 | 180 g/m ² (+/-10 gm ²) | MDV |
| Straightness | EN 1848-2 | Conforming | MDV |
| Water vapour permeability | EN 12572/C | Sd = 0.025 m (-0.01/+0.035) | MDV |

INSTRUCTIONS FOR USE

For use as an underlay for insulated and ventilated pitched roofs, here also for roofs with board cladding. Very well suited for roof renovations and loft renovations in "inverted roof systems". If the roof covering is unventilated, the roof lining membrane is used in direct contact with the thermal insulation (mineral wool, glass wool, etc.), which has the advantage that the roof lining membrane can be installed directly on top of the thermal insulation. The roof covering is attached to the roof lining membrane using roof battens and counter battens. Suitable for almost all roof systems – especially under roofing tiles, stones, pantile profiles, aluminium sheets, etc.

VAPOUR BARRIER DB 140

Protection against moisture from the interior

The vapour barrier DB 140 is a three-layer active vapour barrier. It consists of two layers of a polypropylene fleece material and a functional film that **controls the vapour passage to the loft or the building's interior** and, if necessary, also from the loft to the building's interior. The membrane's active properties act to support the removal of moisture, which is not guaranteed by normal vapour barrier films.

The vapour barrier DB 140 is **used as a vapour barrier in residential and industrial construction projects and protects the loft from excessive moisture penetration** from the room interior into the thermal insulation. Thanks to its active properties, it **prevents**, among other things, **the formation of mould** in the loft due to excessive moisture and thus protects the structural timbers from rot.

Vapour barrier DB 140



| Item number | Designation | Dimensions | PU |
|-------------|-------------|------------------------|----|
| 954201 | DB 140 | 140 g/m²; 1.5 m x 50 m | 1 |

ADVANTAGES

- Active vapour regulation
- Tensile strength
- UV resistance
- Quick and easy installation
- With two self-adhesive tapes



NOTE

Only suitable for interior applications.

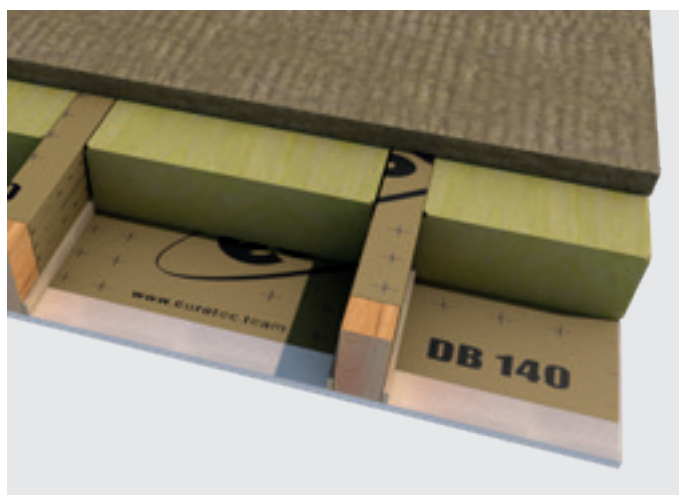
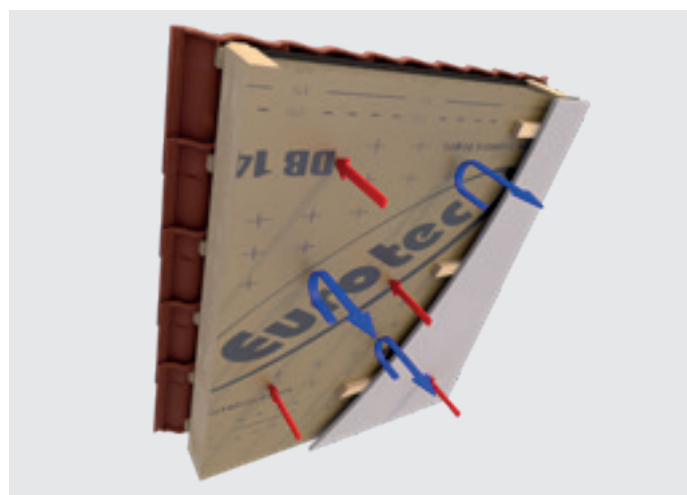
To
match*

Our Uni Tape

(More about this on p 41)











*Not included in the scope of delivery.



The membranes in the vapour barrier layer are integrated into the thermal insulation to protect it against water vapour penetration. The product's unique properties facilitate the active regulation of the vapour transfer process, thereby preventing condensation and the resulting damage to timber structures. During roof renovations, the DB140 can also be installed in loops.

MAIN FEATURES

| | | | | | |
|---|----------------------|------------------------------|---|---------------------------|-----------------------------------|
|  | Surface-related mass | approx. 140 g/m ² |  | Water vapour permeability | 3000 g/m ² /24h |
|  | SD value | ≥ 8 m +/- 2 m |  | UV resistance | 4 months* |
|  | Water permeability | W1 |  | Roll size | 75 m ² (1.5 m x 50 m) |
|  | Pallet | 50 rolls |  | UV exposure time | 4 weeks |

*Based on artificial ageing tests conducted in a laboratory, the UV stabilisation lasts for up to 4 months, in terms of an average sun exposure typical for the Central European climate.

TECHNICAL INFORMATION

| Features | Standards | Values |
|--|------------|------------------------------|
| Mass per unit area | EN 1848-2 | Approx. 140 g/m ² |
| Product structure | - | 3-layer PP vapour barrier |
| Roll length | EN 1848-2 | 50 m |
| Roll width | EN 1848-2 | 1.50 m |
| Fire performance | EN 11925-2 | Class E |
| Resistance to water penetration | EN 1928 | W1 |
| SD value | EN 1931 | ≥ 8 m +/- 2 m |
| Operating temperature range | - | Between -30°C to +70°C |
| Outdoor weathering period as temporary roofing | - | 2 weeks |
| UV resistance | - | 4 months |
| Tear strength longitudinal | EN 12311-1 | 200 N/5 cm (+/- 50 N) |
| Tear strength transverse | EN 12311-1 | 140 N/5 cm (+/- 50 N) |
| Elongation longitudinal | EN 12311-1 | 40% (+/- 20%) |
| Elongation transverse | EN 12311-1 | 40% (+/- 20%) |
| Tear propagation longitudinal | EN 12310-1 | 110 N/5 cm (+/- 50 N) |
| Tear propagation transverse | EN 12310-1 | 110 N/5 cm (+/- 55 N) |
| Flexibility at low temperatures | EN 1109 | Confirmed at -20 °C |
| CE marking/DOP | EN 13984 | available |

i

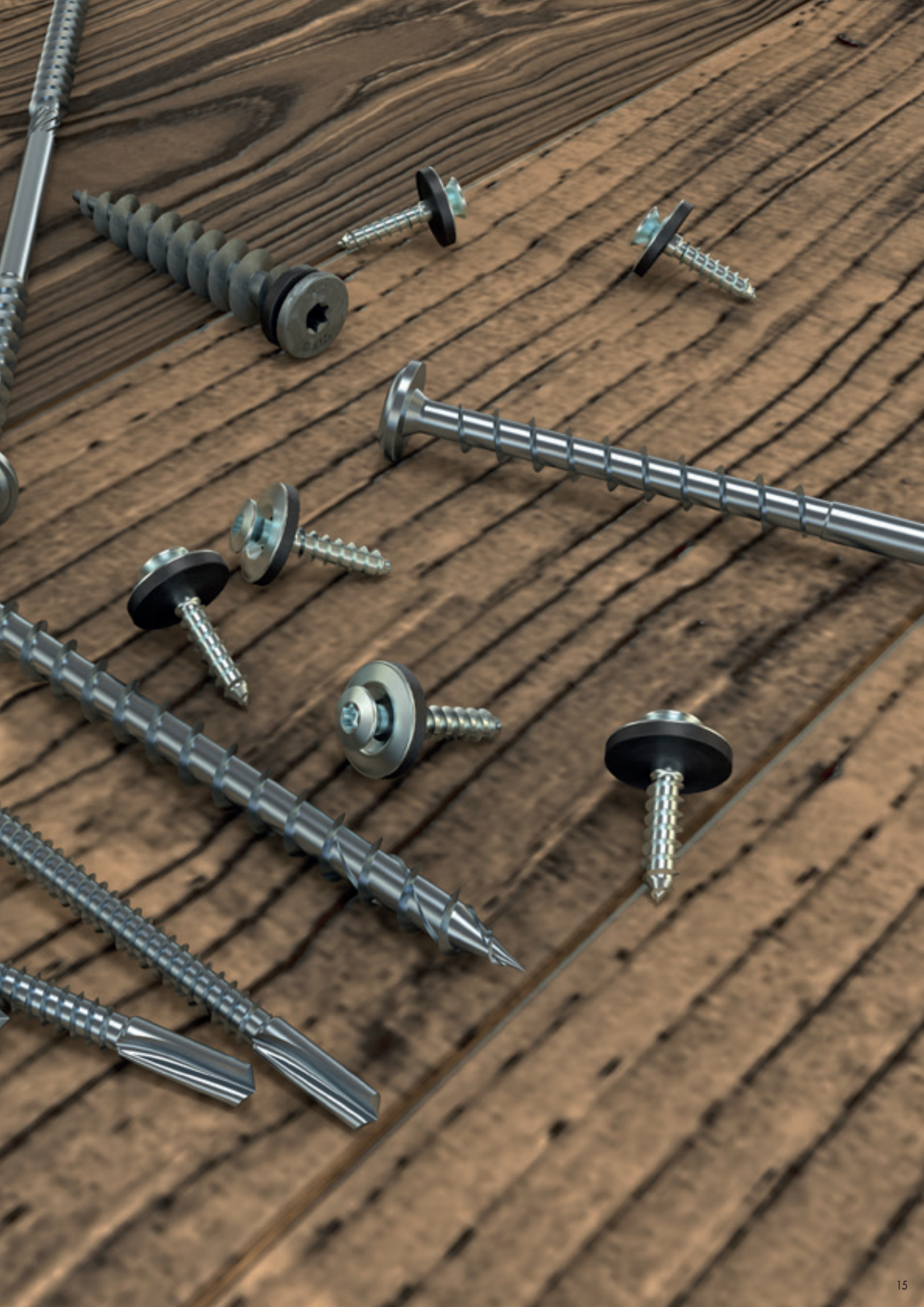
INSTRUCTIONS FOR USE

The vapour barrier is used as a vapour protection layer within the thermal insulation to prevent the ingress of water vapour. The product **actively regulates the vapour transfer to** prevent condensation and any resulting damage to timber structures. It is recommended that the overlaps be tightly sealed with our special adhesive tape, the Eurotec Uni Tape.

For use as a vapour barrier in lofts and as protection of the interior against moisture. Among other things, the active properties prevent the formation of mould as well as the risk of condensation forming in the loft. This protects the structural timbers from rot. During installation, it is absolutely necessary to use adhesive tape to both seal the overlaps between the membrane joints and to seal the connection points to the roof structure's components. Use of the Eurotec Uni Tape makes it possible to **properly seal and permanently connect the roof lining membrane in any weather condition, i.e. irrespective of** high humidity, strong winds, rain, low temperatures, dirty roof lining membrane surfaces. Use the overlap line, so that it sits at least 10 cm from the roof lining membrane edge.

ROOF FIXINGS





TOPDUO ROOFING SCREW

The wood construction screw for every above-rafter insulation system



The Topduo roofing screw can be used to fasten **both pressure- and non-pressure-resistant rafter insulations**. The high extraction resistance in both connecting timbers is what also makes the Topduo attractive for **many other wood construction applications**. The screw has a double thread and is available with both washer and cylinder heads.

ADVANTAGE

- The double thread allows the fastening of both pressure-resistant as well as non-pressure-resistant insulating materials.
- Thanks to the high pull-out resistance, it is universally usable in many timber construction applications.
- Resistant to mechanical stress

ADVANTAGES OF THE SCREW TIP

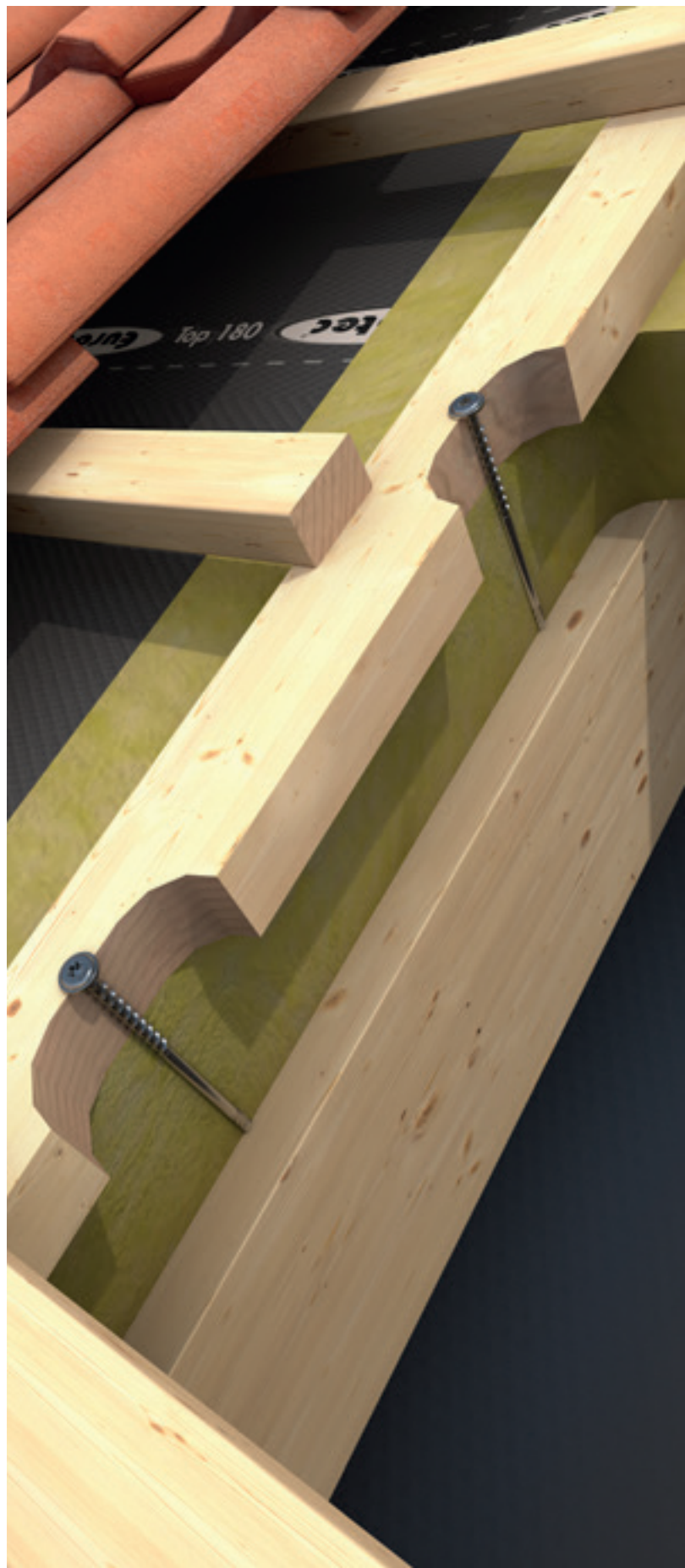
- Reduced screw-in torque
- Reduced splitting effect
- The screw "grips" better



Topduo roofing screw
Washer head screw



Topduo roofing screw
Cylinder head



EuroTec calculation service

On-rafter insulation according to ETA-11/0024


by phone 02331 6245-444 · by fax 02331 6245-200 · by e-mail technik@eurotec.team

Please contact our technical department or use the free calculation services in the service section of our website.

Contact

| | | | |
|-----------------|-------|-----------------|-------|
| Trader: | _____ | Contractor: | _____ |
| Contact person: | _____ | Contact person: | _____ |
| e-mail: | _____ | Phone: | _____ |
| Project: | _____ | e-mail: | _____ |

Project details

| | | | | |
|--|--|-----------------------------------|---|--|
| <input type="checkbox"/> Shed roof | <input type="checkbox"/> Gable roof | <input type="checkbox"/> Hip roof |  | |
| Building length eave side: _____ m | | | | |
| Gable width: _____ m | Counter batten width: _____ mm (min. 60 mm) | | | |
| Rafter length: _____ m (this information is optional) | Counter batten height: _____ mm (min. 40 mm) | | | |
| Ridge height: _____ m (above ground) | Counter batten length: _____ m (longest piece of counter batten) | | | |
| Roof overhang: eave _____ /verge _____ m (quantity is determined for total roof area) | Load from roofing and battens: | | | |
| Roof pitch: main roof _____ /hip _____ ° | <input type="checkbox"/> Standing seam metal roofing | | 0,35 kN/m ² | |
| | <input type="checkbox"/> Concrete tile, clay tile | | 0,55 kN/m ² | |
| Product name insulation: _____ (Maker's product designation) | <input type="checkbox"/> Flat tile roofing | | 0,75 kN/m ² | |
| Insulation thickness: _____ mm | or _____ kN/m ² | | | |
| Rafter width: _____ mm | Postcode of project: _____ (to determine the wind and snow load zone) | | | |
| Rafter height: _____ mm | charact. snow load on ground sk: _____ kN/m ² (only for municipalities with special provision) | | | |
| Rafter center distance: _____ mm | Site elevation above sea level: _____ m (important for municipalities with complex relief) | | | |
| Sheathing thickness: _____ mm | Snow guard provided? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |

Screw selection

☐ Paneltwistec countersunk head * ☐ Paneltwistec washer head * ☐ Topduo flange button head screw ** ☐ Topduo cylinder-head **

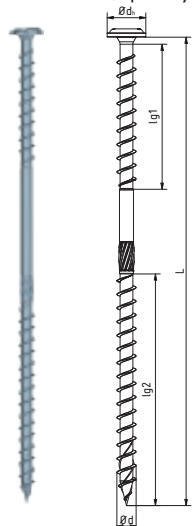
* only for compression-proof insulations with compression strength ≥ 50 kPa ** also for non-compression-proof insulations

TOPDUO ROOFING SCREW

The wood construction screw for every above-rafter insulation system

Topduo roofing screw

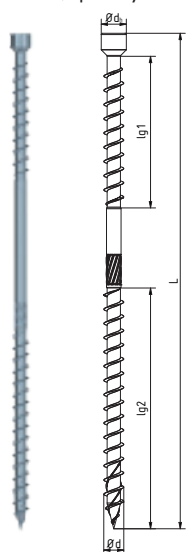
Washer head screw, specially coated



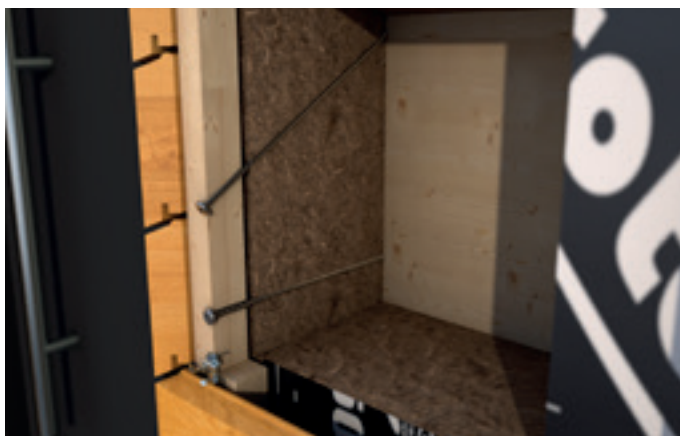
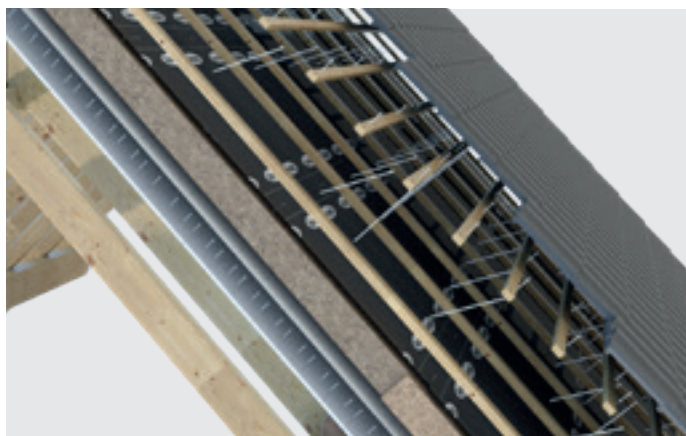
| Item number | $\varnothing d$ [mm] | L [mm] | $\varnothing dh$ [mm] | $lg1/lg2$ [mm] | Drive | PU |
|-------------|----------------------|--------|-----------------------|----------------|--------|----|
| 945870 | 8.0 | 165 | 16.0 | 60/66 | TX40 ● | 50 |
| 945871 | 8.0 | 195 | 16.0 | 60/95 | TX40 ● | 50 |
| 945813 | 8.0 | 225 | 16.0 | 60/95 | TX40 ● | 50 |
| 945814 | 8.0 | 235 | 16.0 | 60/95 | TX40 ● | 50 |
| 945815 | 8.0 | 255 | 16.0 | 60/95 | TX40 ● | 50 |
| 945816 | 8.0 | 275 | 16.0 | 60/95 | TX40 ● | 50 |
| 945817 | 8.0 | 302 | 16.0 | 60/95 | TX40 ● | 50 |
| 945818 | 8.0 | 335 | 16.0 | 60/95 | TX40 ● | 50 |
| 945819 | 8.0 | 365 | 16.0 | 60/95 | TX40 ● | 50 |
| 945820 | 8.0 | 397 | 16.0 | 60/95 | TX40 ● | 50 |
| 945821 | 8.0 | 435 | 16.0 | 60/95 | TX40 ● | 50 |
| 945843 | 8.0 | 472 | 16.0 | 60/95 | TX40 ● | 50 |

Topduo roofing screw

Cylinder head, specially coated



| Item number | $\varnothing d$ [mm] | L [mm] | $\varnothing dh$ [mm] | $lg1/lg2$ [mm] | Drive | PU |
|-------------|----------------------|--------|-----------------------|----------------|--------|----|
| 945956 | 8.0 | 225 | 10.0 | 60/95 | TX40 ● | 50 |
| 945965 | 8.0 | 235 | 10.0 | 60/95 | TX40 ● | 50 |
| 945957 | 8.0 | 255 | 10.0 | 60/95 | TX40 ● | 50 |
| 945958 | 8.0 | 275 | 10.0 | 60/95 | TX40 ● | 50 |
| 945960 | 8.0 | 302 | 10.0 | 60/95 | TX40 ● | 50 |
| 945961 | 8.0 | 335 | 10.0 | 60/95 | TX40 ● | 50 |
| 945962 | 8.0 | 365 | 10.0 | 60/95 | TX40 ● | 50 |
| 945963 | 8.0 | 397 | 10.0 | 60/95 | TX40 ● | 50 |
| 945964 | 8.0 | 435 | 10.0 | 60/95 | TX40 ● | 50 |



On-roof insulation on a pitched roof using Topduo roofing screws.

QUANTITY DETERMINATION TOPDUO ROOFING SCREW

STATICALLY NOT PRESSURE-RESISTANT INSULATION MATERIALS WITH $\Sigma_{10\%} < 50 \text{ KPA}$

Design example for the abovementioned assumptions; project-related designs may produce much more favourable results

Number of Topduo screws per m²

| Insulation thickness | | 40 | 60 | 80 | 100 | 120 | 140 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 |
|---|---------------------------|-----------------------|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Formwork thickness (on rafters) | | 24 | 24 | 24 | 24 | 24 | – | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Dimension Topduo TK or ZK ^{a)} | | 8 x 165 ^{b)} | 8 x 195 ^{b)} | 8 x 225 | 8 x 235 | 8 x 255 | 8 x 275 | 8 x 302 | 8 x 335 | 8 x 335 | 8 x 365 | 8 x 365 | 8 x 397 | 8 x 435 | 8 x 435 |
| | | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] |
| Snow load zone 2 ^{c)} | 0° ≤ DN ≤ 10° | 2.20 | 2.20 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.29 | 2.29 | 2.48 | 3.01 | 3.57 | 4.08 | 4.76 |
| | Wind zone 4 ^{d)} | 2.38 | 2.38 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 2.60 | 3.17 | 3.81 | 4.40 | e) | e) |
| | Height above MSL | 2.72 | 2.72 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.57 | 4.40 | 5.19 | e) | e) |
| | ≤ 285 m | 2.86 | 3.01 | 3.17 | 3.17 | 3.36 | 3.36 | 3.36 | 3.36 | 3.36 | 3.57 | 4.40 | 5.19 | e) | e) |
| Snow load zone 3 ^{b)} | 0° ≤ DN ≤ 10° | 1.79 | 1.79 | 1.97 | 2.04 | 2.04 | 2.04 | 2.04 | 2.12 | 2.60 | 3.81 | 4.40 | 5.19 | e) | e) |
| | Wind zone 2 ^{b)} | 2.29 | 2.29 | 2.48 | 2.60 | 2.60 | 2.60 | 2.60 | 2.72 | 3.36 | 4.76 | e) | e) | e) | e) |
| | Height above MSL | 2.38 | 2.48 | 2.72 | 2.72 | 2.72 | 2.86 | 2.86 | 2.86 | 3.57 | 5.19 | e) | e) | e) | e) |
| | ≤ 600 m | 2.60 | 2.60 | 2.86 | 2.86 | 2.86 | 2.86 | 2.86 | 3.01 | 3.57 | 5.19 | e) | e) | e) | e) |

a) The indicated quantity always refers to the less favourable value from Topduo TK and ZK

b) Only Topduo TK, c) Includes snow load zones 1, 2 and 2°, d) Includes all wind zones except the North Sea islands

e) Use of our project-related design service is recommended. The design examples listed here represent unfavourable, i.e. statically safe, cases.

f) Includes snow load zones 1, 2 and 3, g) Includes wind zones 1 and 2 (inland)

Further assumptions:

Design produced with the ECS design software according to ETA-11/0024; screw-in angle of 65°; gable roof; max. ridge height above the ground of 18 m; bulk density of the insulation 1.50 kN/m³; rafters C24 8/≥12 cm; counter batten C24 4/6 cm; rafter centre distance 0.70 m; dead weight of covering 0.55 kN/m²; roof snow guard available; quantity determination with respect to the wind suction based on the most unfavourable roof area.

All stated values must be considered as dependent on the assumptions made. They therefore represent design examples and are subject to typographical or printing errors.

Attention: These are planning aids. The projects must always be designed by authorised persons.

QUANTITY DETERMINATION TOPDUO ROOFING SCREW

STATICALLY PRESSURE-RESISTANT INSULATING MATERIALS WITH $\Sigma_{10\%} \geq 50 \text{ KPA}$

Design example for the abovementioned assumptions; project-related designs may produce much more favourable results

Number of Topduo screws per m²

| Insulation thickness | | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 |
|---|---------------------------|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------------|
| Formwork thickness (on rafters) | | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Dimension Topduo TK or ZK ^{a)} | | 8 x 195 ^{b)} | 8 x 225 | 8 x 235 | 8 x 255 | 8 x 275 | 8 x 302 | 8 x 335 | 8 x 335 | 8 x 365 | 8 x 365 | 8 x 397 | 8 x 435 | 8 x 435 | 8 x 472 ^{b)} |
| | | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] |
| Snow load zone 2 ^{c)} | 0° ≤ DN ≤ 10° | 1.96 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.12 | 1.80 | 2.40 | 2.32 |
| | Wind zone 4 ^{d)} | 2.11 | 2.05 | 1.97 | 1.94 | 1.97 | 1.90 | 1.85 | 2.14 | 2.01 | 2.74 | 2.57 | 2.38 | 3.23 | 2.93 |
| | Height above MSL | 2.48 | 2.41 | 2.28 | 2.35 | 2.41 | 2.35 | 2.18 | 2.67 | 2.49 | 3.48 | 3.22 | 2.96 | 4.42 | 3.79 |
| | ≤ 285 m | 2.31 | 2.30 | 2.56 | 2.65 | 2.74 | 2.65 | 2.42 | 2.96 | 2.74 | 4.00 | 3.70 | 3.48 | 4.87 | 4.47 |
| Snow load zone 3 ^{b)} | 0° ≤ DN ≤ 10° | 2.65 | 2.54 | 2.39 | 2.34 | 2.26 | 2.23 | 2.34 | 2.34 | 2.16 | 2.46 | 2.32 | 2.19 | 2.86 | 2.65 |
| | Wind zone 2 ^{b)} | 4.04 | 3.81 | 3.55 | 3.33 | 3.33 | 3.15 | 3.15 | 2.99 | 2.99 | 3.66 | 3.37 | 3.06 | 4.37 | 3.74 |
| | Height above MSL | 4.46 | 4.16 | 3.84 | 3.58 | 3.58 | 3.58 | 3.37 | 3.37 | 3.37 | 4.67 | 4.20 | 3.92 | e) | e) |
| | ≤ 400 m | 3.55 | 3.26 | 3.26 | 3.26 | 3.44 | 3.26 | 2.96 | 3.66 | 3.44 | e) | 4.67 | 4.27 | e) | e) |

a) The indicated quantity always refers to the less favourable value from Topduo TK and ZK

b) Only Topduo TK, c) Includes snow load zones 1, 2 and 2° each with a roof snow guard, d) Includes all wind zones except the North Sea islands

e) Use of our project-related design service is recommended. The design examples listed here represent unfavourable, i.e. statically safe, cases.

f) Includes snow load zones 1, 2 and 3, g) Includes wind zones 1 and 2 (inland)

Further assumptions:

Design produced with the ECS design software according to ETA-11/0024; screw-in angle roof shear screw 65°/wind suction screw 90°; gable roof; max. ridge height above the ground of 18 m; bulk density of the insulation 1.50 kN/m³; rafters C24 8/≥12 cm; counter batten C24 4/6 cm; rafter centre distance 0.70 m; dead weight of covering 0.55 kN/m²; roof snow guard available; quantity determination with respect to the wind suction based on the most unfavourable roof area.

All stated values must be considered as dependent on the assumptions made. They therefore represent design examples and are subject to typographical or printing errors.

Attention: These are planning aids. The projects must always be designed by authorised persons.

SANDWICH PANEL SCREW

For fastening sandwich panel elements to steel

Sandwich panel screw

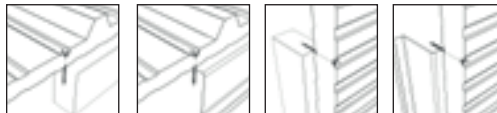
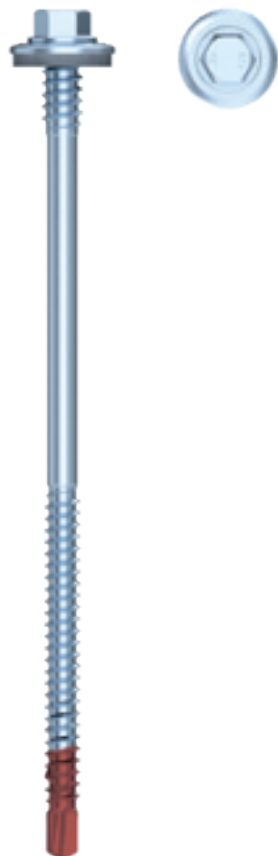
Bimetall



5 mm



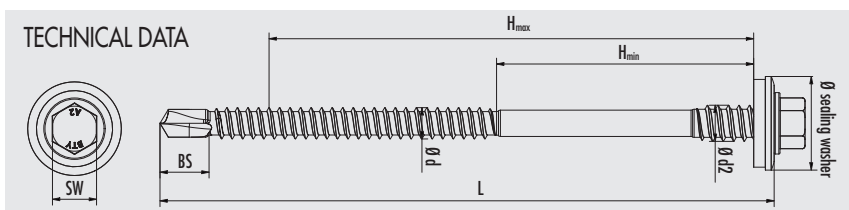
0-280 mm



| Item number | Ø d/d2 [mm] | L [mm] | lg [mm] | BS [mm] | SW | Ø sealing washer [mm] | H _{min} [mm] ^{a)} | H _{max} [mm] ^{a)} | PU |
|---------------------------|-------------|--------|---------|---------|-----|-----------------------|-------------------------------------|-------------------------------------|-----|
| Drilling performance 5 mm | | | | | | | | | |
| 945903 | 5.5/6.3 | 155 | 70 | 7.5 | SW8 | 16 | 80 | 135 | 200 |
| 945904 | 5.5/6.3 | 175 | 70 | 7.5 | SW8 | 16 | 100 | 155 | 200 |
| 945846 | 5.5/6.3 | 200 | 70 | 7.5 | SW8 | 16 | 125 | 180 | 200 |
| 945905 | 5.5/6.3 | 235 | 70 | 7.5 | SW8 | 16 | 160 | 215 | 200 |
| 945906 | 5.5/6.3 | 250 | 70 | 7.5 | SW8 | 16 | 175 | 230 | 200 |
| 945907 | 5.5/6.3 | 275 | 70 | 7.5 | SW8 | 16 | 200 | 255 | 200 |
| 945908 | 5.5/6.3 | 300 | 70 | 7.5 | SW8 | 16 | 225 | 280 | 200 |

A) H = clamping thickness = attachment part thickness + sheet metal thickness t; t_{max.} = drilling capacity

Attention: No red tip, for illustrative purposes only.



Fastening of a sandwich panel to a steel substructure using a sandwich panel screw.

Sandwich panel screw Bimetall



12 mm



0-275 mm

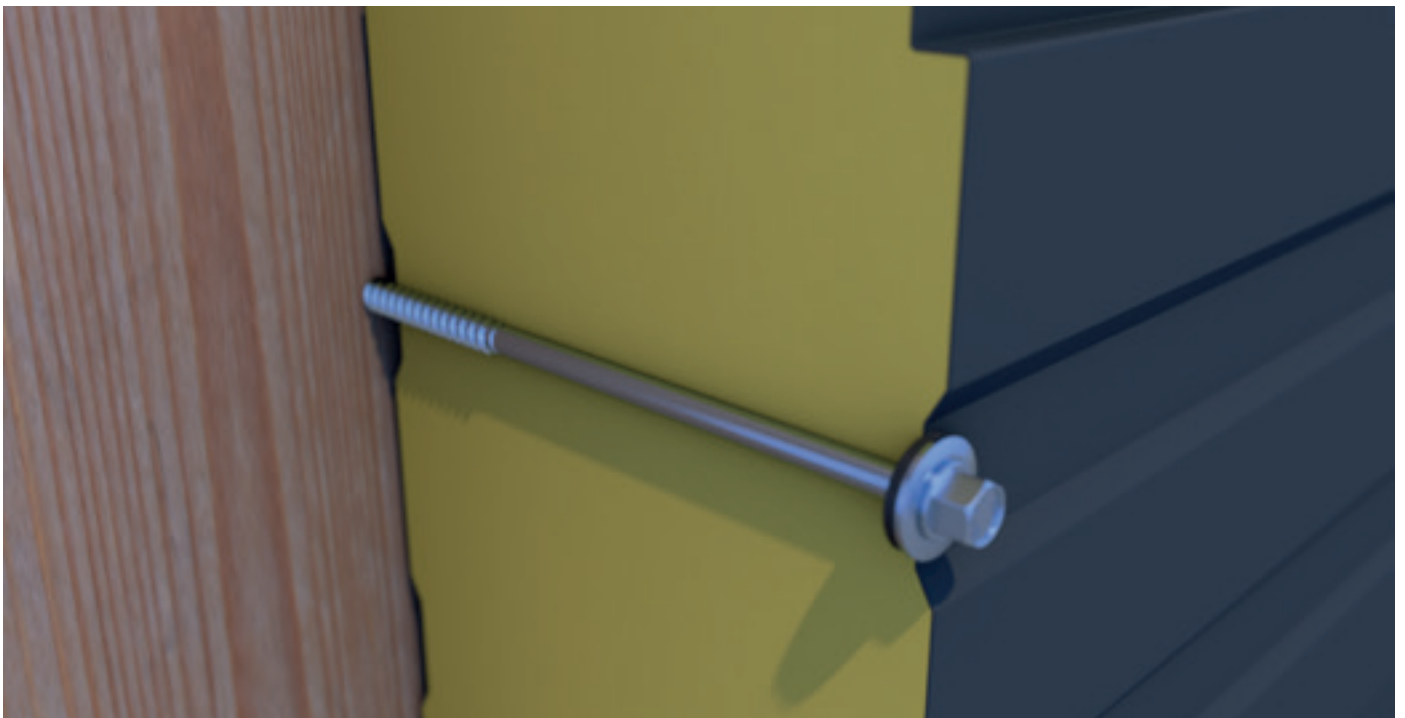
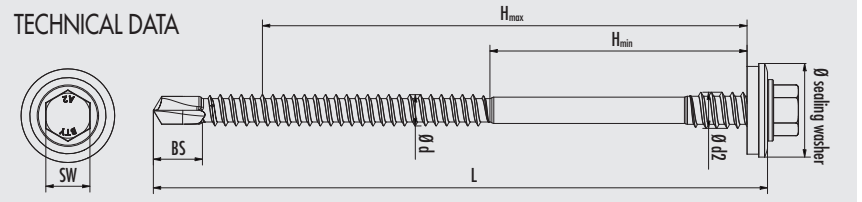


| Item number | Ø d / d2 [mm] | L [mm] | lg [mm] | BS [mm] | SW | Ø sealing washer [mm] | H _{min} [mm] ^{a)} | H _{max} [mm] ^{a)} | PU |
|----------------------------|---------------|--------|---------|---------|-----|-----------------------|-------------------------------------|-------------------------------------|-----|
| Drilling performance 12 mm | | | | | | | | | |
| 945909 | 5.5/6.3 | 155 | 70 | 15 | SW8 | 16 | 75 | 130 | 200 |
| 945910 | 5.5/6.3 | 175 | 70 | 15 | SW8 | 16 | 95 | 150 | 200 |
| 945845 | 5.5/6.3 | 200 | 70 | 15 | SW8 | 16 | 120 | 175 | 200 |
| 945911 | 5.5/6.3 | 235 | 70 | 15 | SW8 | 16 | 155 | 210 | 200 |
| 945912 | 5.5/6.3 | 250 | 70 | 15 | SW8 | 16 | 170 | 225 | 200 |
| 945913 | 5.5/6.3 | 275 | 70 | 15 | SW8 | 16 | 195 | 250 | 200 |
| 945914 | 5.5/6.3 | 300 | 70 | 15 | SW8 | 16 | 220 | 275 | 200 |

A) H = clamping thickness = attachment part thickness + sheet metal thickness t; t_{max.} = drilling capacity

Attention: No red tip, for illustrative purposes only.

TECHNICAL DATA

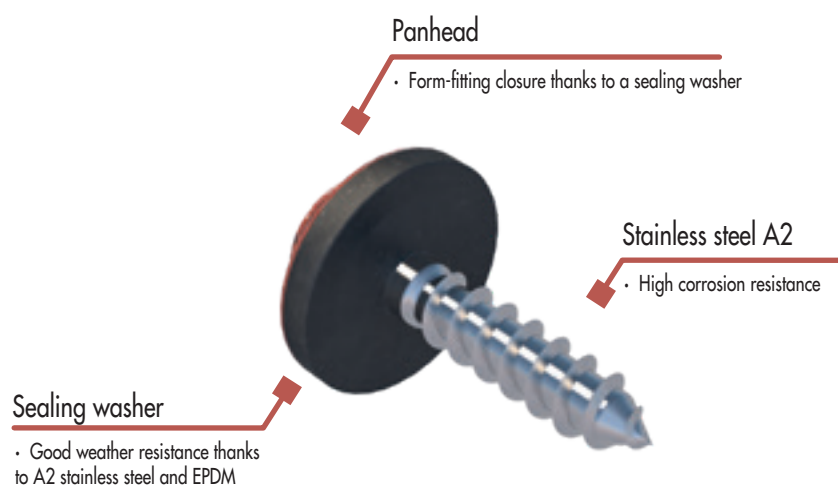


WASHERED SCREW

For fastening elements to a building wall



The washered screws made of A2 stainless steel are suitable for both indoor and outdoor applications. They are used, among other things, for the permanently tight fastening of wall connection profiles, wall covers, skylights as well as roof and chimney flashing. In principle, the heads can be coated in any RAL colour* and can therefore be colour matched to the various fastening elements.



*Carmine red, black/grey and white are standard in the range.



Fastening of a trapezoidal metal sheet using a washered screw.

Washed screw

Stainless steel A2, 2-piece incl. a sealing washer

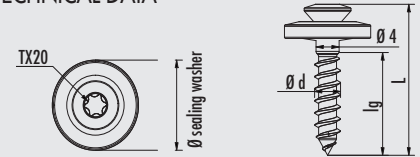


| Item number | Ø d [mm] | L [mm] | lg [mm] | Ø sealing washer[mm] | Drive | PU |
|-------------|----------|--------|---------|----------------------|-------|-----|
| 111550 | 4.5 | 20 | 12 | 15 | TX20 | 200 |
| 111551 | 4.5 | 25 | 17 | 15 | TX20 | 500 |
| 111552 | 4.5 | 35 | 24 | 15 | TX20 | 200 |
| 111553 | 4.5 | 45 | 34 | 15 | TX20 | 200 |
| 111557 | 4.5 | 65 | 45 | 15 | TX20 | 200 |
| 111558 | 4.5 | 80 | 60 | 15 | TX20 | 200 |
| 111559 | 4.5 | 100 | 80 | 15 | TX20 | 200 |
| 111560 | 4.5 | 120 | 98.5 | 15 | TX20 | 200 |
| 111561 | 4.5 | 150 | 128.5 | 15 | TX20 | 200 |

Carmine red, black/grey and white are standard in the range.

Other RAL colours are available on request.

TECHNICAL DATA



ON REQUEST, THE SCREW HEADS CAN BE SUPPLIED IN RAL COLOURS.



Fastening of a wall connection bar to a house wall using a washed screw.

ROOFING SCREW

For flat roof insulation projects (with non-slip finish)

Roofing screw

With hexagonal head, support thread and drill tip



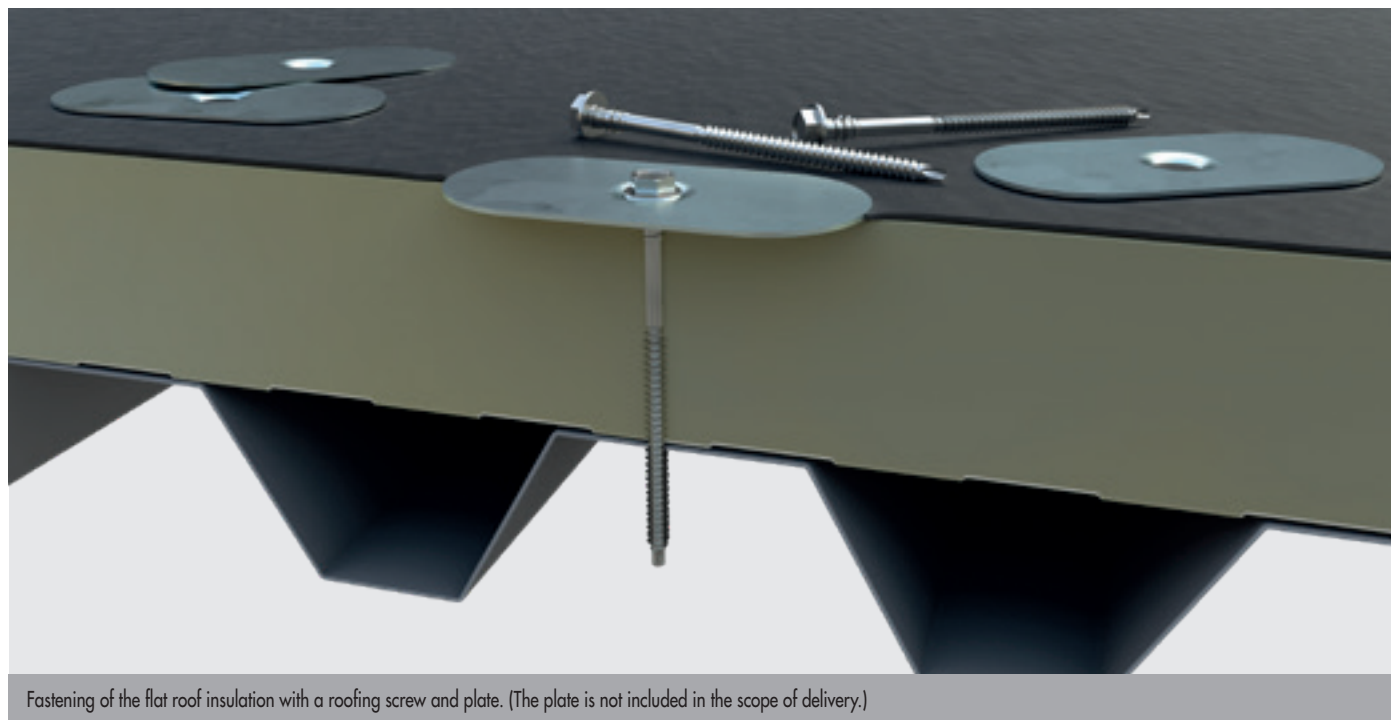
| Item number | Dimension [mm] | Spanner size | PU |
|-------------|----------------|--------------|-----|
| 900428 | 4.8 x 80 | SW8 | 500 |
| 111377* | 4.8 x 100 | SW8 | 500 |
| 111378 | 4.8 x 120 | SW8 | 500 |
| 111379 | 4.8 x 140 | SW8 | 500 |
| 111380 | 4.8 x 160 | SW8 | 500 |
| 111381 | 4.8 x 180 | SW8 | 500 |
| 111382 | 4.8 x 200 | SW8 | 500 |
| 111383 | 4.8 x 220 | SW8 | 500 |
| 111384 | 4.8 x 240 | SW8 | 250 |
| 111385 | 4.8 x 260 | SW8 | 250 |

*Washer not included in the scope of delivery.

ADVANTAGES/FEATURES

- With hexagonal head
- Steel case hardened and duplex coated
- Non-slip thanks to support threads

TECHNICAL DATA



Fastening of the flat roof insulation with a roofing screw and plate. (The plate is not included in the scope of delivery.)

BUGLE-HEAD SCREW

For flat roof insulation projects (without non-slip finish)

Bugle-head screw

With hexagonal head, support thread and drill tip



| Item number | Dimension [mm] | Drive | Material | PU* |
|-------------|----------------|-------|-------------------------|------|
| 111303** | 4.8 x 35 | TX25 | Steel, specially coated | 1000 |
| 111304** | 4.8 x 50 | TX25 | Steel, specially coated | 1000 |
| 111305** | 4.8 x 60 | TX25 | Steel, specially coated | 1000 |
| 111306 | 4.8 x 70 | TX25 | Steel, specially coated | 1000 |
| 111307** | 4.8 x 80 | TX25 | Steel, specially coated | 500 |
| 111308** | 4.8 x 90 | TX25 | Steel, specially coated | 500 |
| 111309** | 4.8 x 100 | TX25 | Steel, specially coated | 500 |
| 111310** | 4.8 x 110 | TX25 | Steel, specially coated | 500 |
| 111311** | 4.8 x 120 | TX25 | Steel, specially coated | 500 |
| 111312** | 4.8 x 130 | TX25 | Steel, specially coated | 500 |
| 111313** | 4.8 x 140 | TX25 | Steel, specially coated | 500 |
| 111314** | 4.8 x 150 | TX25 | Steel, specially coated | 500 |
| 111315** | 4.8 x 160 | TX25 | Steel, specially coated | 500 |
| 111316** | 4.8 x 170 | TX25 | Steel, specially coated | 500 |
| 111317** | 4.8 x 180 | TX25 | Steel, specially coated | 500 |
| 111318** | 4.8 x 200 | TX25 | Steel, specially coated | 500 |
| 111319** | 4.8 x 220 | TX25 | Steel, specially coated | 500 |
| 111320** | 4.8 x 240 | TX25 | Steel, specially coated | 500 |
| 111321** | 4.8 x 260 | TX25 | Steel, specially coated | 500 |
| 111322** | 4.8 x 280 | TX25 | Steel, specially coated | 250 |
| 111323** | 4.8 x 300 | TX25 | Steel, specially coated | 250 |

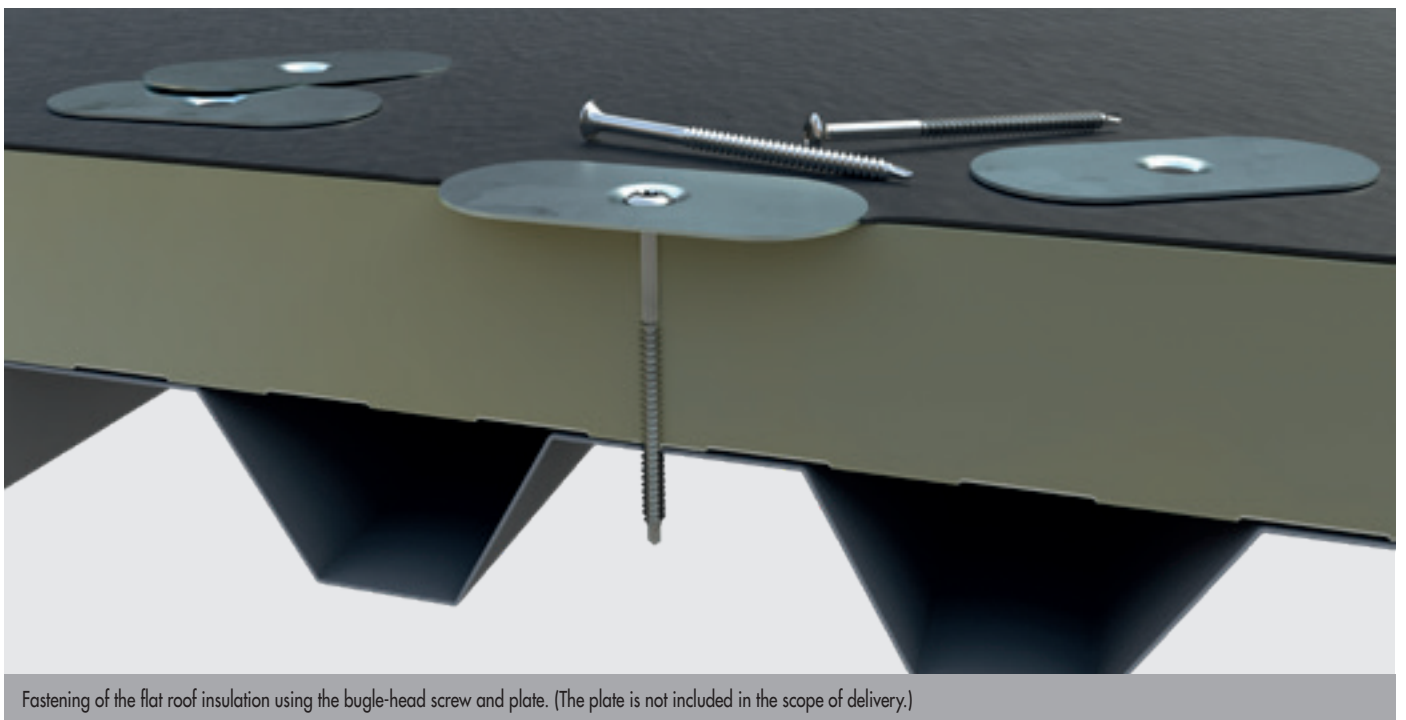
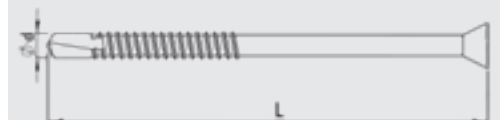
*Washer not included in the scope of delivery.

**On request

ADVANTAGES/FEATURES

- With bugle-head and drill tip
- Steel case-hardened and duplex coated
- Non-slip thanks to support threads

TECHNICAL DATA



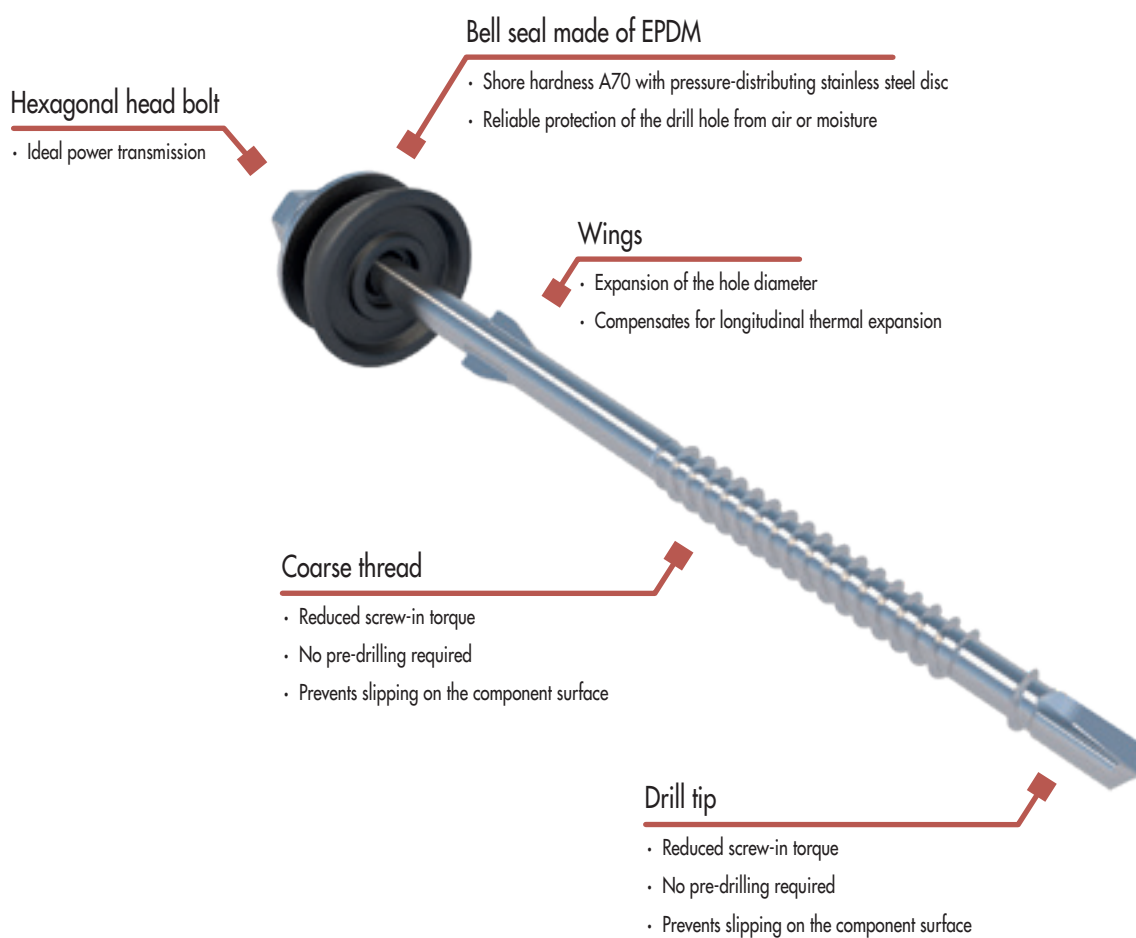
Fastening of the flat roof insulation using the bugle-head screw and plate. (The plate is not included in the scope of delivery.)

FIBRE CEMENT SCREWS

For fastening corrugated fibre cement panels to substructures made of timber

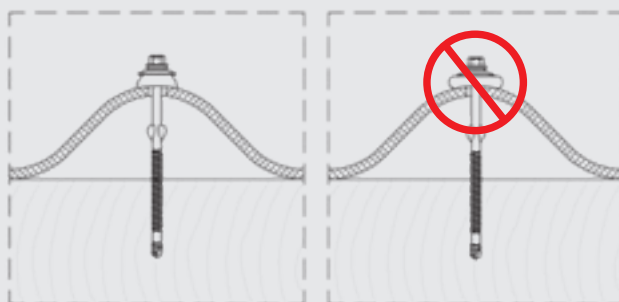
The fibre cement screw is a special screw used for fastening corrugated fibre cement panels to substructures made of timber.

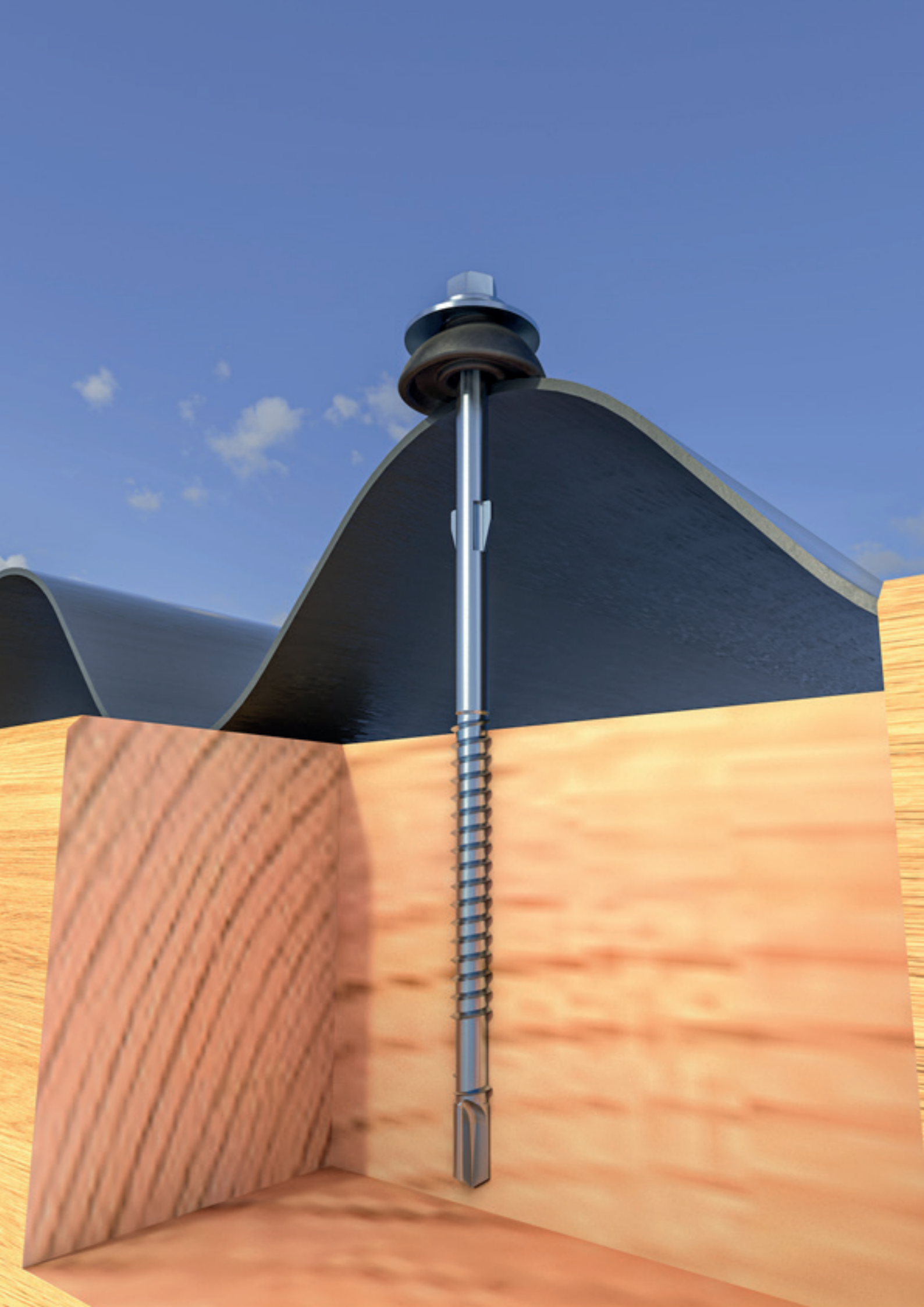
The pre-assembled bell seal reliably seals the area around the screw head in the downward direction and prevents air or moisture ingress through the drill holes. The fibre cement screw is available in hardened carbon steel (specially coated) and A2 stainless steel versions, which makes it ideal for weathering.



INSTALLATION INSTRUCTION

In order to ensure the bell seal's durability and thus rain protection, the seal must not be pressed against the corrugated panel too tightly.



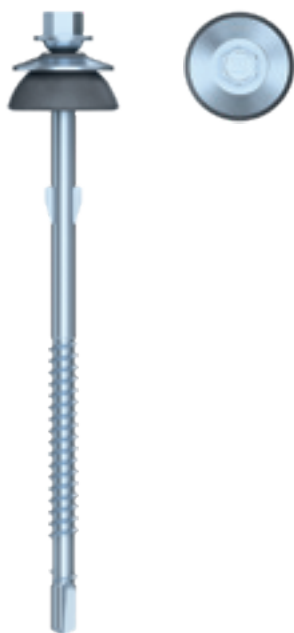


FIBRE CEMENT SCREWS

For fastening corrugated fibre cement panels to substructures made of timber

Fibre cement screw

Steel, specially coated

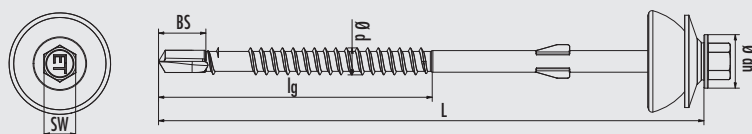


| Item number | Ø d [mm] | L [mm] | lg [mm] | BS [mm] | Head diameter dh [mm] | Drive | PU |
|-------------|----------|--------|---------|---------|-----------------------|-------|-----|
| 111353 | 6.5 | 130 | 65 | 11 | 12.75 | SW8 | 100 |

MATERIAL

- With zinc-aluminium flake lamellar coating
- High cathodic corrosion protection
- High thermal load capacity
- Barrier effect due to overlapping zinc-aluminium lamellae
- Resistant to organic solvents
- Reduced friction

TECHNICAL DATA



Fibre cement screw A2

Stainless steel A2

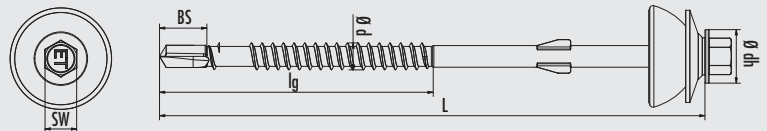


| Item number | Ø d [mm] | L [mm] | lg [mm] | BS [mm] | Head diameter dh [mm] | Drive | PU |
|-------------|----------|--------|---------|---------|-----------------------|-------|-----|
| 111356 | 6.5 | 130 | 65 | 11 | 12.75 | SW8 | 100 |

MATERIAL

- Limited suitability for saline atmospheres
- Limited acid resistance
- Not suitable for chlorous atmospheres
- Suitable for service classes 1, 2 and 3
- Limited suitability for timbers that are high in tannins such as cumaru, oak, Merbau, robinia etc.

TECHNICAL DATA



Instructions for use

Fibre cement corrugated sheets are attached using fibre cement screws, which come with a pre-assembled bell seal. Depending on the manufacturer, corrugated fibre cement panels may have to be pre-drilled. The fibre cement screws should be screwed in perpendicular to the panel plane. During installation, it is imperative that the screw is positioned correctly and that the seal is checked. Overtightening of the screw can deform the seal, which can cause the seal to lose its functionality. Please follow the manufacturer's instructions for use.

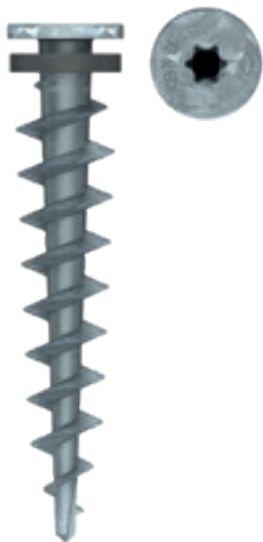
INSULATING STUD ANCHOR

Suitable for the fastening of the wall connection bar

The Eurotec insulating stud anchor is suitable for **direct anchoring in polystyrene, rigid foam boards and other soft building materials**. The anchor's conical shape ensures that the material is compacted in the area of the screw-in point and thus ensures the anchor's secure hold.

Insulating stud anchor

Zinc die casting



| Item number | Dimension [mm] | Thread length [mm] | Drive | PU |
|-------------|----------------|--------------------|--------|-----|
| 200036 | 13 x 65 | 65 | TX30 ● | 100 |

ADVANTAGES

- No pre-drilling in soft materials
- Direct installation without separate plugs
- Including sealing washer
- Thermal-bridge-free installation
- High torque transmission thanks to the TX drive

SUITABLE BUILDING MATERIALS

- External composite thermal insulation systems (ETICS)
- Polystyrene panels (EPS, XPS)
- Rigid foam panels
- Styrofoam plates

TECHNICAL DATA



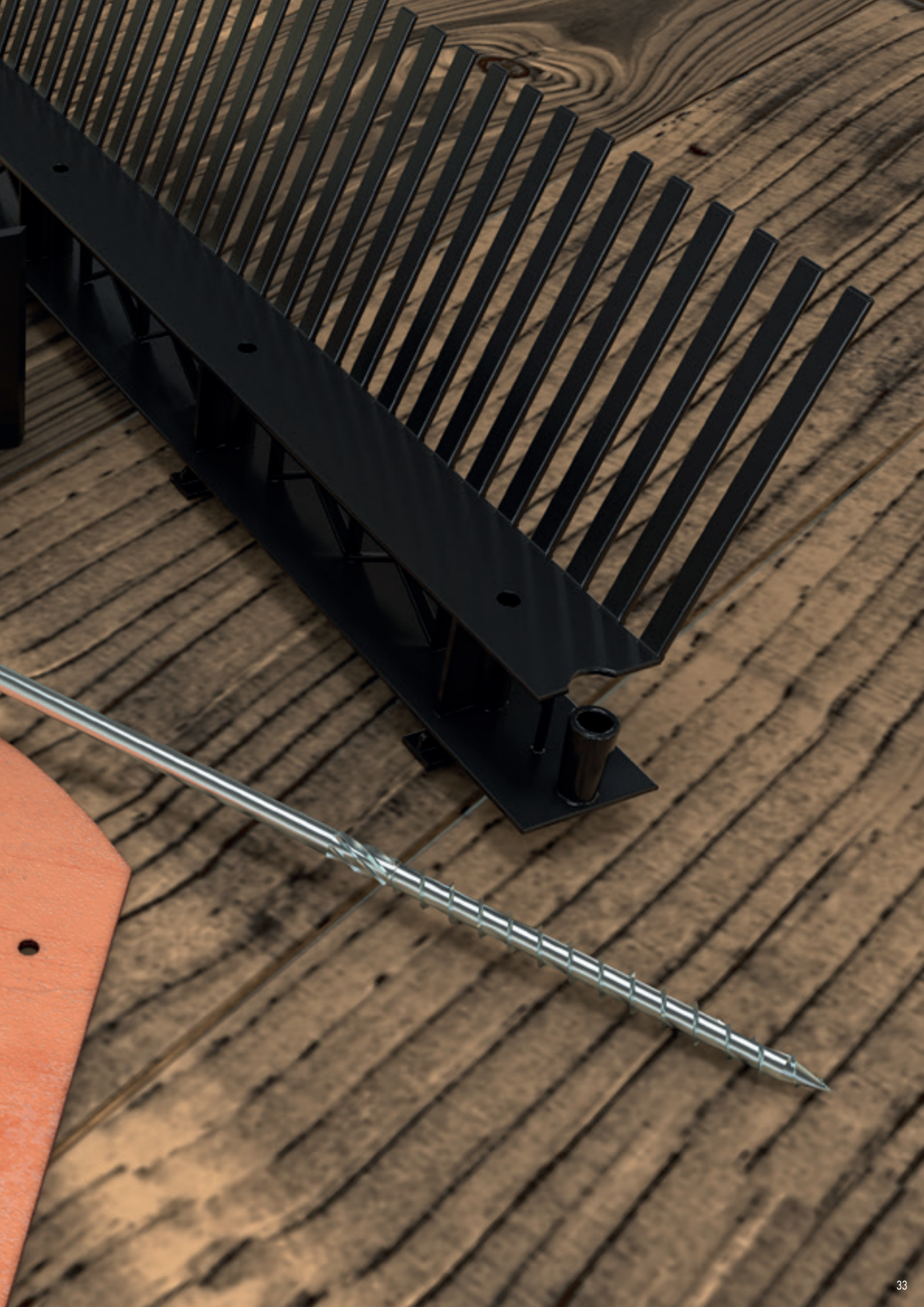
Insulating stud anchor for direct anchoring in polystyrene.

NOTES:

A large grid area for taking notes, consisting of a 20x20 grid of squares. In the center of the grid, there is a faint, light gray watermark of the Eurotec logo, which includes a stylized 'E' and the word 'Eurotec'.

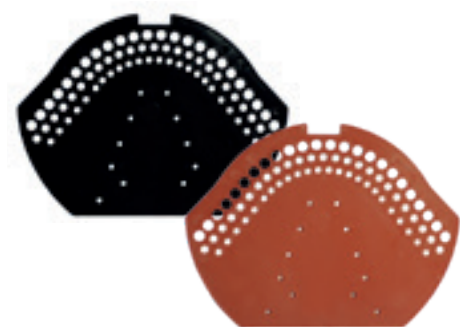
ROOFING ACCESSORIES





ROOFING ACCESSORIES

Ridge end disc



| Item number | Dimension ^{a)} [mm] | Colour | Material | PU |
|-------------|------------------------------|--------|----------|----|
| 954210 | 50 x 120 | Red | Polymer | 25 |
| 954211 | 50 x 120 | Black | Polymer | 25 |

^{a)}Length x width

SCOPE OF APPLICATION

- For closing the roof ridge
- Universal shapes allow use with most commercially available roof tiles.

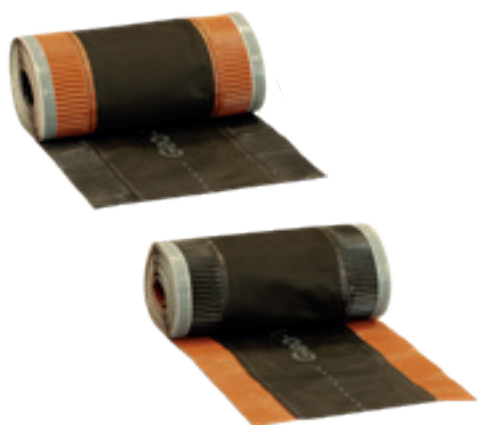
ADVANTAGES

- Quick and easy installation
- Weather resistant
- Good stability
- It ensures good air circulation in the ridge area and prevents the penetration of leaves and insects.



Application example ridge end disc

Roller ridge



| Item number | Designation | Dimension ^{a)} [mm] | Colour | PU |
|-------------|--------------|------------------------------|------------------|----|
| 954208 | Roller ridge | 32000 x 5000 | Black (RAL 9005) | 1 |
| 954209 | Roller ridge | 32000 x 5000 | Red (RAL 8004) | 1 |

^{a)}Width x length

The roller ridge vent roll is made of high-quality diffusible PP fleece (150 g) and pleated aluminium sheet metal. Thanks to the fleece, the tape allows ventilation between the eaves and the ridge. There is no risk of water or small animals getting in under the roof structure.

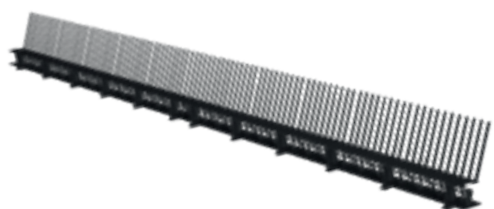
ADVANTAGES

- Elastic and resistant adhesive
- Good ventilation between the eaves and ridge
- Weather resistance



Application example roller ridge

Eaves ventilation element



| Item number | Dimension ^{a)} [mm] | Material | PU |
|-------------|------------------------------|----------|----|
| 954212 | 85 x 1000 | Polymer | 50 |

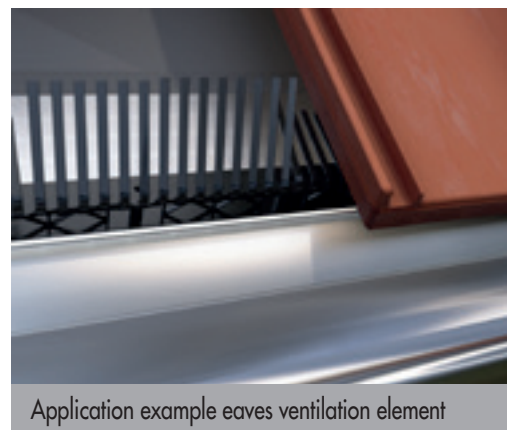
^{a)} Height x length

SCOPE OF APPLICATION

- To protect the eaves from birds, rodents and large insects.
- Provides good ventilation and air circulation in the eaves area by preventing the ingress of wind-driven leaves.

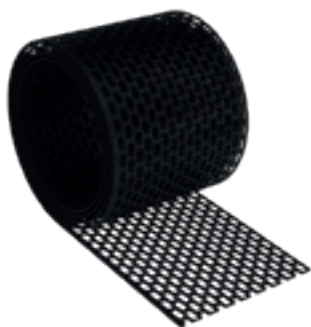
ADVANTAGES

- Quick and easy installation
- Weather resistant
- Good stability
- Enables a faster and easier installation of the gutter brackets.
- An additional ventilation grate replaces the tilting fillet.



Application example eaves ventilation element

Bird protection screen/ventilation profile



| Item number | Designation | Dimension ^{a)} [mm] | Colour | PU |
|-------------|----------------------------------|------------------------------|--------|----|
| 954214 | Bird protection screen 100 white | 100 x 5000 | White | 24 |
| 954216 | Bird protection screen 80 black | 80 x 5000 | Black | 24 |
| 954217 | Bird protection screen 100 black | 100 x 5000 | Black | 24 |
| 954218 | Bird protection screen 150 black | 150 x 5000 | Black | 24 |

^{a)}Width x length

USE

- To secure the ventilation openings on building façades and the eaves area of ventilated roofs against birds, rodents and insects.
- Provides protection against leaves and other types of contaminations.
- Ensures proper ventilation and air circulation in the façade and roof area.

ADVANTAGES

- Offers a solution that protects against leaves and other contaminations.
- Resistance to UV radiation
- Suitable for all roof types

HIP AND RIDGE BATTEN HOLDER

The hip and ridge batten holder 50 is a **fastening element for the installation of the hip or ridge batten in ventilated sloping roofs**. The hip and ridge batten holder 50 is made of glass-fibre reinforced polyamide and is **characterised by its high resistance**.

Hip and ridge batten holder 50

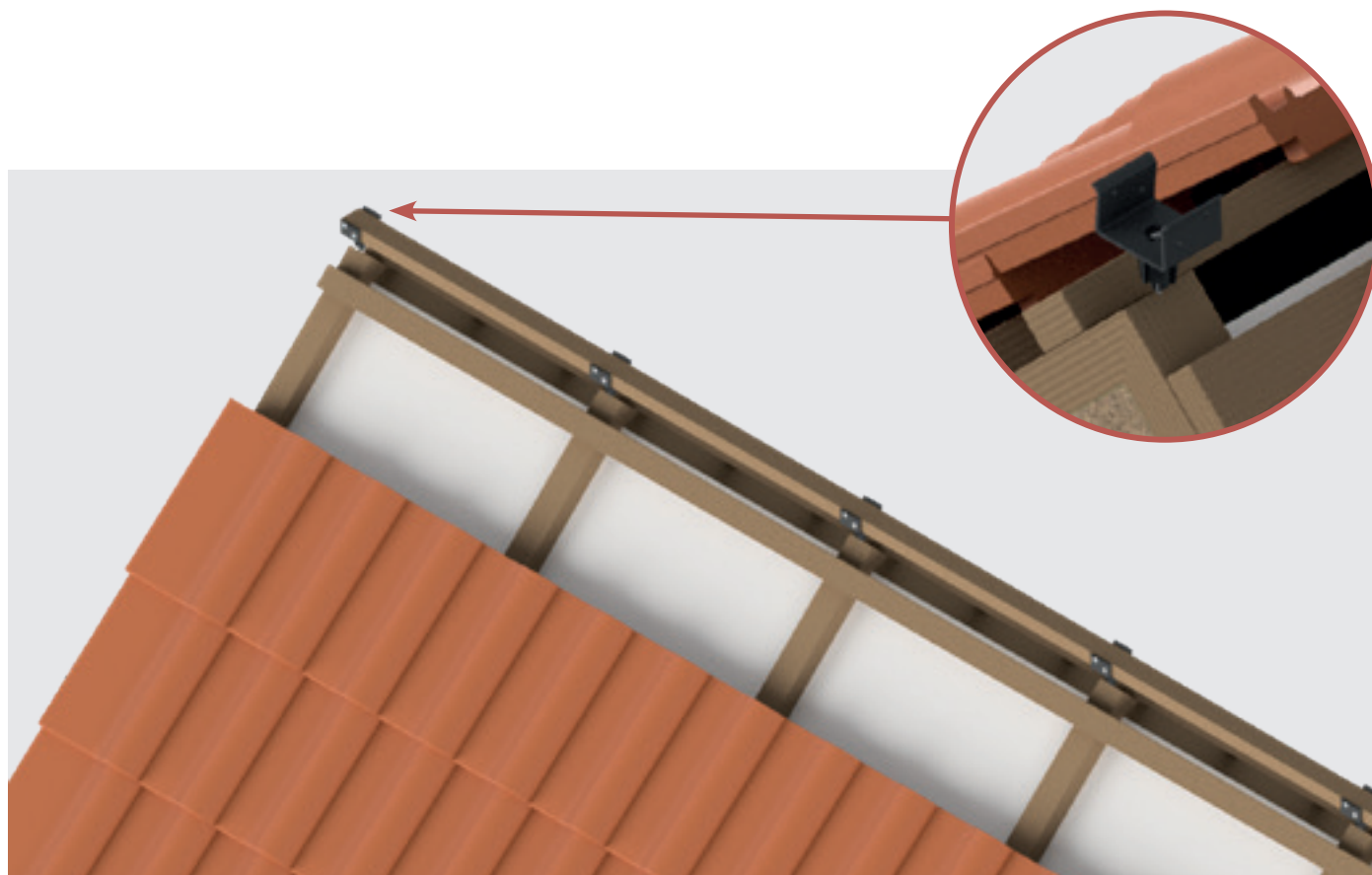


| Item number | Product designation | Dimension ^{a)} [mm] | Material | PU |
|-------------|--------------------------------|------------------------------|--|-----|
| 954223 | Hip and ridge batten holder 50 | 30 x 50 | Fibreglass-reinforced, durable polyamide | 100 |

a) Length x width

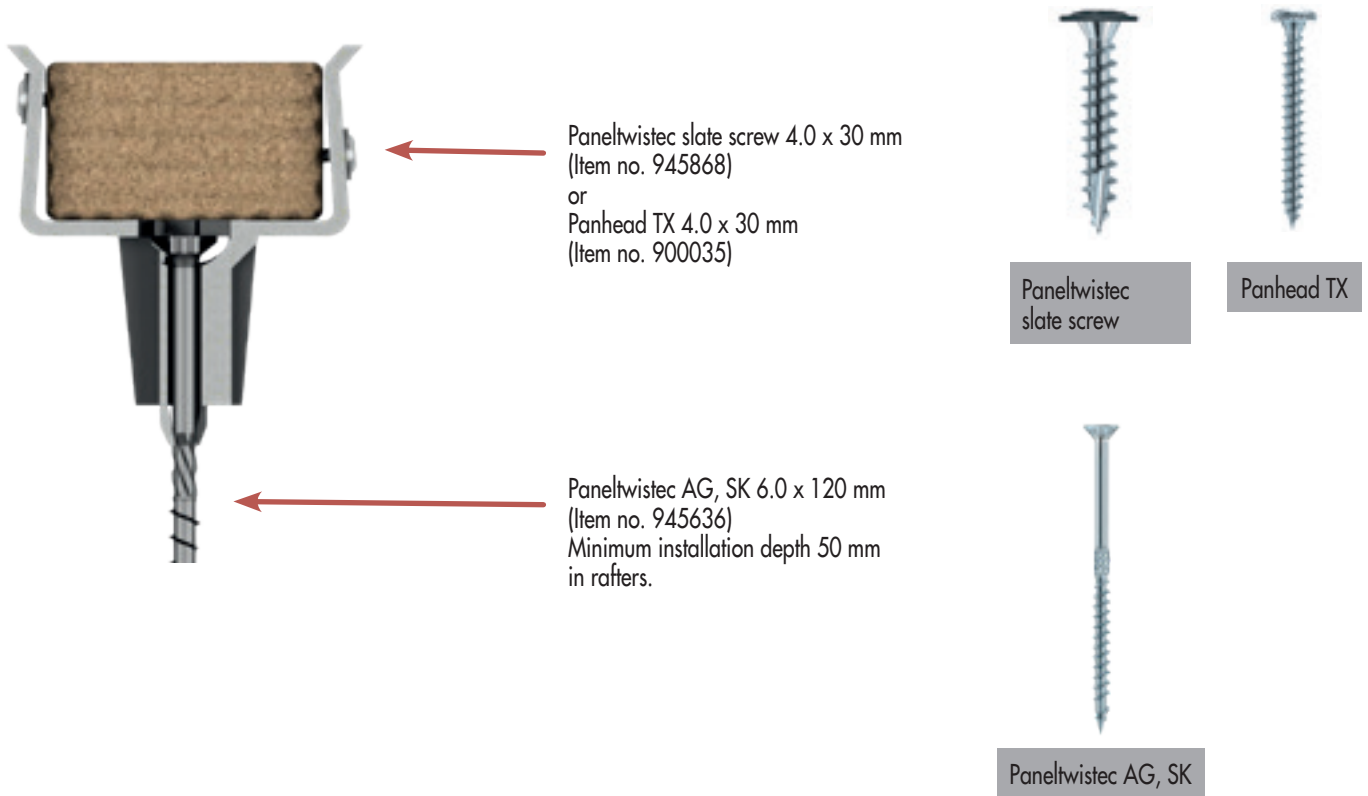
ADVANTAGES

- Quick, trouble-free and easy installation
- Individual height adjustment through infinitely variable adjustability
- Flexible application due to variable screw lengths
- High resistance to UV radiation and weathering
- With prestressing
- For 30/50 flat roof battens or 40/60 upright roof battens
- Fastening in the rafter with a Ø 6 mm countersunk head screw (installation depth at least 50 mm)
- Fastening on the holder with Ø 4 x 30 mm washer head or panhead screws
- Locking bars in the screw slot for adjustability



Installation of the hip and ridge batten holder 50 in the rafter.

OPTIMAL SCREW CONNECTION



Installation example of the hip and ridge batten holder 50

The support element for the ridge batten, with a height adjustable ridge batten holder (205–235 mm). Use as a fastening element when installing the ridge batten on sloping, ventilated roofs. Made of galvanised steel, characterised by high resistance.

Ridge batten holder



| Item number | Product designation | Dimension ^{a)} [mm] | Dimension ^{a)} [mm] | Material | PU |
|-------------|------------------------|------------------------------|------------------------------|------------------|-----|
| 954205 | Ridge batten holder 50 | 205–235 | 50 | Galvanised steel | 100 |

a) Length x width

ADVANTAGES

- Rapid installation of the ridge batten
- Quick, trouble-free and easy installation
- Individual height adjustment





Wall and fireplace connection



| Item number | Dimension ^{a)} [mm] | Colour | Material | PU |
|-------------|------------------------------|------------------|-----------|----|
| 954219 | 5000 x 300 | Black (RAL 9005) | Aluminium | 1 |
| 954220 | 5000 x 300 | Red (RAL 8004) | Aluminium | 1 |

^{a)}Length x width

The self-adhesive wall and fireplace connector ensures an easy and secure roof connection. The lead-free tape is made of a textured aluminium sheet and stained with polyester paint. The product can be used not just for seals between the wall or chimney and the roof surface but also for sealing chimneys, exterior walls and roof windows. The universal product stained with polyester dye is available in two colours: brick and black.

ADVANTAGES

- Self-adhesive wall connection tape
- Optimally malleable and easy installation
- Weather resistance, colour stability and UV resistance

Bird control spikes



| Item number | Dimension ^{a)} [mm] | Material | PU |
|-------------|------------------------------|---------------------------------|----|
| 954207 | 110 x 335 x 60 | Polycarbonate, galvanised steel | 15 |

^{a)}Height x length x width

SCOPE OF APPLICATION

- Ensures the protection of roofs, window sills and other house surfaces as well as façades against birds.

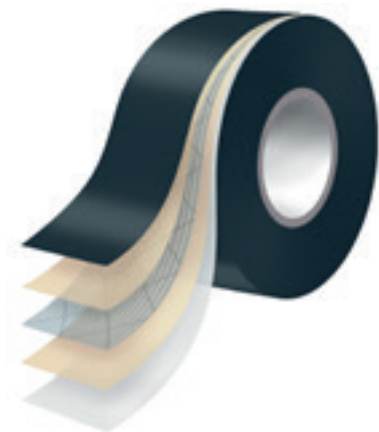
ADVANTAGES

- Quick and easy installation
- Connection of several modules
- Resistance to UV radiation



Application example bird control spikes

Uni Tape



| Item number | Designation | Dimensions | PU |
|-------------|-------------|--------------|----|
| 954202 | Uni Tape | 60 mm x 25 m | 10 |

Eurotec Uni Tape is a polyethylene bonding tape with a high-strength, moisture-resistant polyacrylate adhesive that has excellent ageing resistance. Designed for the airtight bonding and sealing of penetrations and airtight membrane overlaps as well as vapour barrier films in accordance with DIN 4108-7; it is also suitable for the bonding of polypropylene fleeces, aluminium sheeting, MDF and plywood panels as well as plastics.

ADVANTAGES/FEATURES

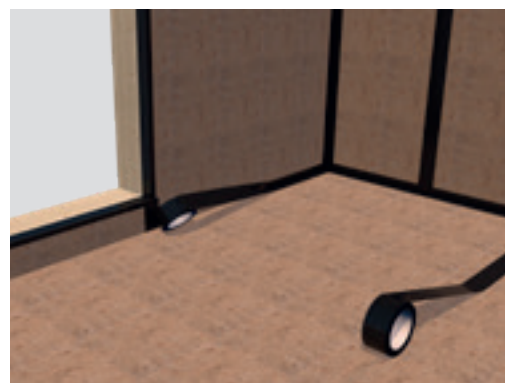
- Stretchy
- Highly flexible
- High resistance to ageing
- Permanent moisture resistance (GPM 812)
- The reinforcement prevents over stretching
- One-sided adhesive tape for cold processing
- For connecting and repairing membranes in indoor and outdoor settings
- For connecting and sealing structural elements to the membrane
- For use with our Top 150, Top 180 and DB 140

CARRIER

- Polyethylene film; thickness: 0.08 mm
- UV stable
- Reinforced with PET filament

ADHESIVE

- Polyacrylate adhesive
- Extremely high surface tack
- Medium shear strength



Application example Uni Tape

Downpipe hose



| Item number | Designation | Dimension ^{a)} [mm] | Length [mm] | PU |
|-------------|---------------|------------------------------|-------------|----|
| 954196 | Downpipe hose | 0.13 x 0.20 x 100 m | 600 | 1 |

^{a)} Ø Downpipe hose/roll x length

ADVANTAGES

- Rainwater is controlled and safely discharged.
- Can be attached and removed quickly and easily.
- Optimal interim solution for upcoming construction work.
- Façade soiling and damage are prevented.



Application example downpipe hose

Roof venting hose



| Item number | Designation | Dimension [mm] | Length [mm] | PU |
|-------------|-----------------------|----------------|-------------|----|
| 954208 | Roof venting hose 110 | Ø 110/70 | 600 | 10 |
| 954209 | Roof venting hose 150 | Ø 150/150 | 1,050 | 6 |

SCOPE OF APPLICATION

- The ventilation hose is used in pitched roofs to connect the roof hatches to the loft.

ADVANTAGES/FEATURES

- Quick and easy installation
- Resistance to UV radiation
- Large ventilation area
- Ensures an effective moisture transport from the loft.
- Proper ventilation of lofts, kitchens and bathrooms.
- The flexible structure makes it possible to adjust the duct's angle and to install the pipe reducer.

WALL CONNECTION BAR

Designed for the professional connection of roofs and façades

The Eurotec wall connection bar (capping strip) is made of extruded aluminium and designed for the **professional finishing of roofs and façades**. It acts as a **connection bar between the roof surface and the vertical component** and simultaneously protects against rainwater. In addition, the universally applicable bar is suitable for many roof coverings and ensures a **visually appealing finish**.

Wall connection bar

Aluminium, extruded



| Item number | Dimension [mm] ^{a)} | Round hole [mm] | Material | PU |
|-------------|------------------------------|-----------------|-----------|----|
| 954197 | 60 x 12.4 x 3000 | Ø 8 | Aluminium | 1 |

^{a)}Height x width x length

ADVANTAGES/FEATURES

- Quick and easy installation
- Pre-drilled fastening holes
- Resistant to weathering
- For universal use

USE

- Pitched roof
- Flat roof
- Façade

TECHNICAL DATA



INSTALLATION INSTRUCTIONS

The wall connection bar is screwed into the brickwork using a **washed screw** including sealing washer and plug. The Eurotec **insulating stud anchor** can also be used as an alternative for direct anchoring in **polystyrene, rigid foam panels and other soft building materials**. The round holes (Ø 8 mm) required for fastening already exist in the profile and are spaced 200 mm apart. Finally, the bar is sealed using a sealing compound to make it rainproof. Can be combined with the following Eurotec products:

- Sealing plug
- Insulation stud anchor
- Washed screw with sealing washer and EMD multi plug



The wall connection bar ensures a clean transition between the roof and façade by attaching the roofing felt to the adjacent wall and thus creating a seamless connection.



NEVER MISS OUR NEWS!

Would you like to receive regular information about current company activities, career opportunities, innovative new products and product developments? Visit us on **Instagram, Facebook, YouTube etc.** today and always keep up to date with our news wherever you are.

You are not on social media?

Subscribe to the Eurotec **newsletter** and always stay fully informed. The newsletter is compiled especially for you based on your areas of interest. It's easy to subscribe to the newsletter by visiting **www.eurotec.team**.

FOLLOW US – WE LOOK FORWARD TO YOUR VISIT!

DID YOU KNOW...?

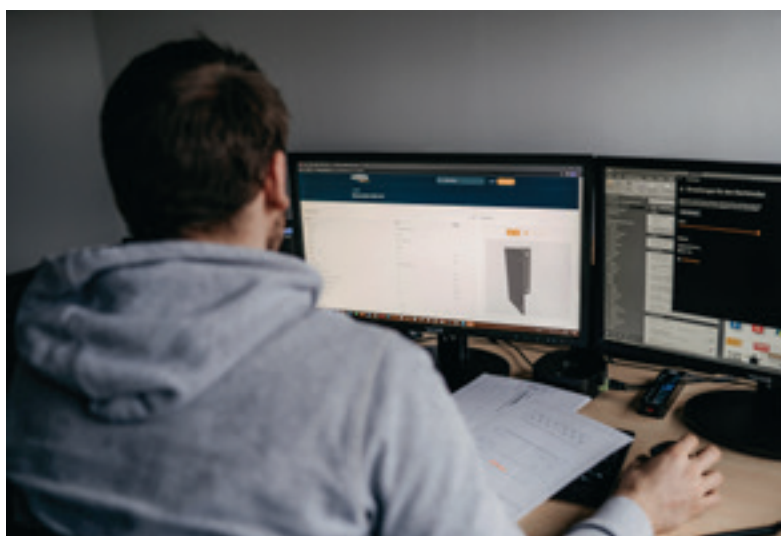
THE EUROTEC BIM PORTAL IS NOW AVAILABLE!

Many people, including architects, planners, craftsmen and other service providers, are involved in the construction of a building or a terrace.

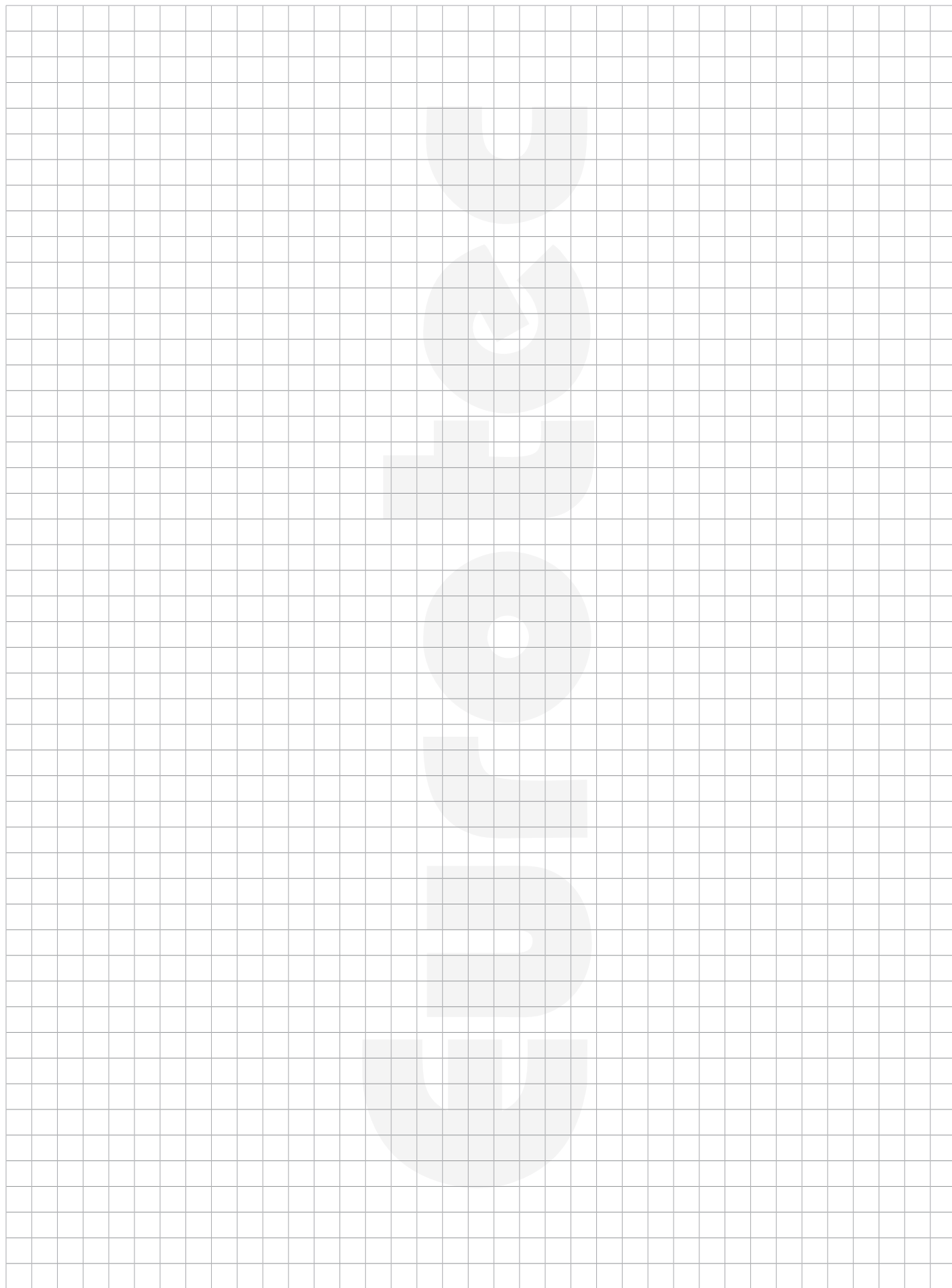
On our new Eurotec BIM portal, we provide you with up-to-date BIM-relevant data for our product range.

You have full access to 3D/CAD data, DWG files, important product information, ETA certifications and much more. All portal functions are available to you free of charge! The files can be downloaded after a quick registration process.

Click here to go to the BIM portal **bim.eurotec.team**



NOTES:



NOTES:

A large grid area for taking notes, consisting of a 30x30 grid of small squares. In the center of the grid, there is a large, faint, light-gray watermark of the Eurotec logo, which includes the word 'Eurotec' in a bold, sans-serif font and a stylized circular emblem above it.



The specialist for fastening technology

Publisher: E.u.r.o. Tec GmbH - Version 04/2024

For the content, errors, including technical changes and additions are reserved.
All measurements are approximate. Model and colour deviations and errors reserved.

We accept no liability for printing errors. Reprinting, including excerpts, is only permitted with the approval of E.u.r.o. Tec GmbH.

E.u.r.o. Tec GmbH

Unter dem Hofe 5 · D-58099 Hagen

Tel. +49 2331 62 45-0

Fax +49 2331 62 45-200

Email info@eurotec.team

Follow us



www.eurotec.team/en