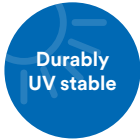


## Technical data sheet

# DELTA®-FASSADE 20 PLUS

Black permanently UV-resistant facade membrane with fire class B for cladding with open joints up to 20 mm wide. With integrated adhesive zones on both edges.



Characteristics	Methods	Values
<b>Description</b>		
<b>Application</b>	–	Diffusive, UV-resistant protective insulating membrane for façade designs with open joints.
<b>Material</b>	–	Highly tear-resistant polyester nonwoven with a waterproof special coating. With adhesive strips along both edges.
<b>Special features</b>	–	UV-resistant, flame retardant, durable
<b>Weight</b>	EN 1849-2	approx. 210 g/m <sup>2</sup>
<b>Thickness</b>	–	approx. 0,5mm
<b>Watertightness</b>		
<b>Resistance to water penetration before and after ageing (5.000 h UV)</b>	EN 1928 + EN 13859-2	W1
<b>Driving rain test</b>	Test University of Berlin	Watertight
<b>Water vapour transmission</b>		
<b>S<sub>v</sub>-value</b>	EN ISO 12572	approx. 0,02 m
<b>Diffusion resistance factor μ</b>	–	approx. 40
<b>Water vapour transmission</b>	EN ISO 12572	approx. 6,5 · 10 <sup>-9</sup> kg/m <sup>2</sup> · s · Pa
<b>Mechanical properties</b>		
<b>Tensile strength MD/CD</b>	EN 12311-1	270/230 N/5 cm
<b>Tensile strength after ageing (5.000 h UV) MD/CD</b>	EN 12311-1	250/210 N/5 cm
<b>Elongation at break MD/CD</b>	EN 12311-1	> 10 %
<b>Tear resistance MD/CD</b>	EN 12310-1	110/110 N
<b>Dimensional stability</b>	EN 1107-2	< 0,5 %
<b>Flexibility at low temperature</b>	EN 1109	-25 °C
<b>Miscellaneous characteristics</b>		
<b>Fire resistance</b>	EN 13501-1	B-s1, d0
<b>Service temperature range</b>	–	-40 à +80 °C
<b>Short-term maximum temperature load of the material (&lt; 8 h/day)</b>	–	+150 °C
<b>Dimension</b>	–	1,50 m × 50 m / 2,95 m × 25 m / 2,95 m × 50 m
<b>Weight of one roll</b>	–	<ul style="list-style-type: none"> <li>• approx. 16 kg (dimension 1,50 m × 50 m)</li> <li>• approx. 16 kg (dimension 2,95 m × 25 m)</li> <li>• approx. 31kg (dimension 2,95 m × 50 m)</li> </ul>
<b>Packaging unit</b>	–	<ul style="list-style-type: none"> <li>• 28 rolls/pallet (dimension 1,50 m × 50 m)</li> <li>• 30 rolls/pallet (dimension 2,95 m × 25 m)</li> <li>• 20 rolls/pallet (dimension 2,95 m × 50 m)</li> </ul>
<b>CE-conformity</b>	EN 13859-2	Yes
<b>Certificates</b>	–	Avis Technique from CSTB
<b>External test reports</b>	–	5.000 h QUV test, Xenon ageing test, Fatigue test.

The content of this data sheet describes the current state of knowledge at the time of publication and make no claim to be complete. The information listed does not release from self-dependent behaviour. With publication of this sheet all previous versions are not valid any longer. Errors and typing errors reserved.



## Description

Breathable insulation protection sheet suitable for all backvented facing constructions featuring open joints up to 20 mm wide that cover no more than 20% of the surface.

## Accessories

- DELTA®-TAPE FAS: Highly ageing-resistant, strong adhesive tape for bonding overlaps, penetrations and difficult details especially for DELTA® façade sheets.  
 Material Pure-acrylate adhesive with a highly UV-resistant backing.  
 5.000 h accelerated aging QUV test: pass.  
 Fire class B-s1, d0 in combination with DELTA®-FASSADE 20 or DELTA®-FASSADE 50.  
 Dimension: 20 m × 60 mm (DELTA®-TAPE FAS 60) / 20 m × 60 mm (DELTA®-TAPE FAS 30/30) / 20 m × 100 mm (DELTA®-TAPE FAS 100) / 20 m × 230 mm (DELTA®-TAPE FAS 230).
- DELTA®-FAS CORNER: Flexible corner for reliable air and watertight connections in timber frame constructions. Permanently UV-resistant. Suitable for indoor and outdoor applications.  
 Material Thermoplastic Elastomer (TPE).  
 Dimension: 150 × 100 × 40 mm.
- DELTA®-FLEXX-BAND FG 80 / FG 150: Sealing and connecting tape suitable for outside and inside details such as skylights, flue pipes, cables. Thickness approx. 2 mm.  
 Material: solvent-free butyl rubber adhesive on special PE film with siliconized PE cover foil, slit in the middle.  
 Dimension: 6 m × 80 mm / 10 m × 150 mm.  
 Also available as DELTA®-FLEXX-BAND F 100 with geotextile surface: 10 m × 100 mm.
- DELTA®-FASSADE EPDM: Protective and sealing strip in EPDM. Improves the aesthetics of openwork cladding by making the counter-battening invisible. Thickness: 0,75 mm.  
 Dimension 60 mm × 25 m / 100 mm × 25 m.
- DELTA®-THAN: Permanently elastic cartridge adhesive made of special rubber for outside application, for bonding and joining DELTA® membranes.  
 Filling weight: 310 ml per cartridge / 600 ml per tubular bag.
- DELTA®-HF PRIMER: Solvent-free polyacrylate adhesion primer for significantly improving the adhesive properties of surfaces that are to be glued, e.g. wood fibre boards, sand-forming masonry or DELTA®-FASSADE membranes before bonding DELTA®-FLEXX-BAND.  
 Filling weight: 1.000 g bottle.
- DELTA®-QUICKFIXX: Screw for temporary fastening of facade membranes in different insulation materials behind ventilated facade claddings.  
 Length: 85 mm  
 Carton contents: 50 pieces