

## Fixing systems

### Transom and mullion facade or wooden, aluminium window

Our prices include fixing materials for mounting on wooden windows, aluminium windows or plastic windows with a steel core as well as fixing material for mounting on concrete. Fixing material for mounting on exterior

insulation and finish systems, transom and mullion facades, windows with moulded covers, masonry or other substructures are subject to surcharge.

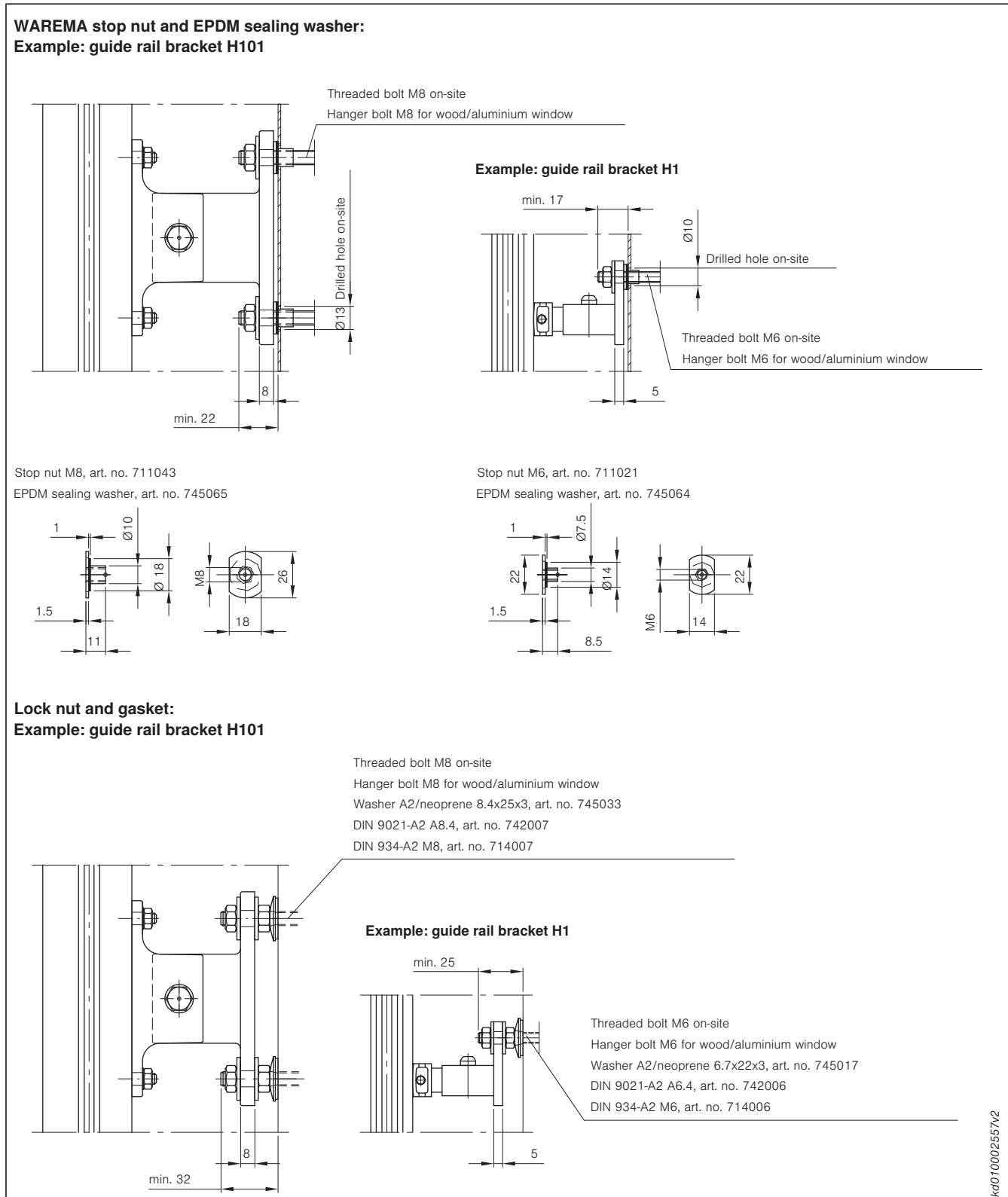


fig. 160: WAREMA fixing system with stop nut

# Fixing Systems

## Self-sealing fixing system

### Sealing spacing disc for fixing to wood, resistant to corrosion

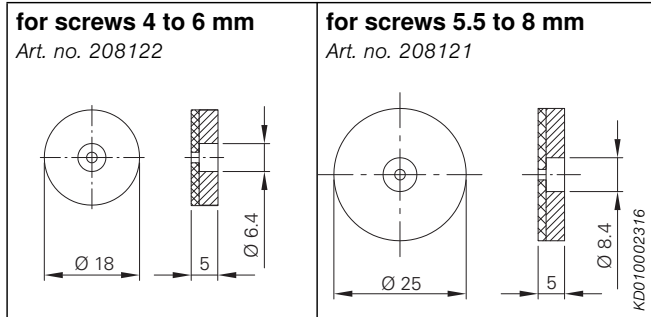


fig. 161: Sealing spacing discs

### Example: guide rail bracket H 101

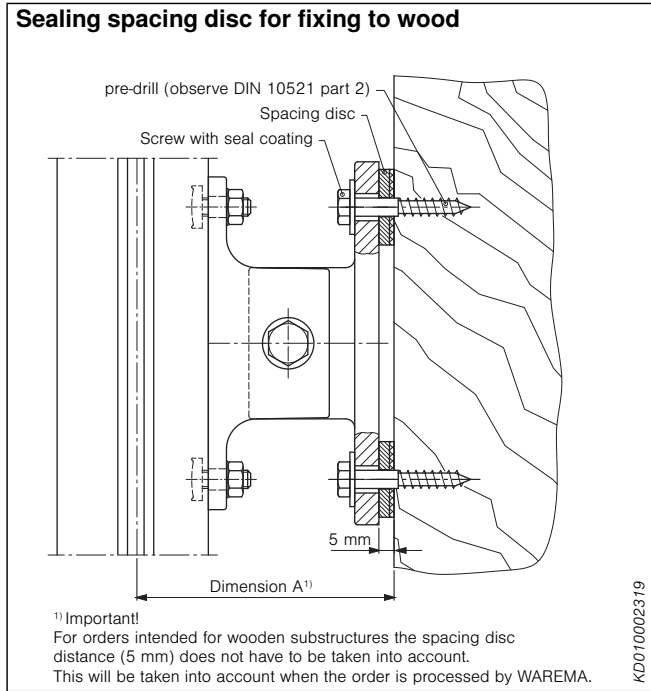


fig. 162: Sealing spacing disc

### Hanger bolts with seal coating

Art. no.	Head shape	Number
746187		M6x70
746188		M6x80
746189		M6x130
746168		M8x90
746169		M8x110
746170		M8x130
746184		M8x150
746171		M8x160
746185		M8x180
746186		M8x200

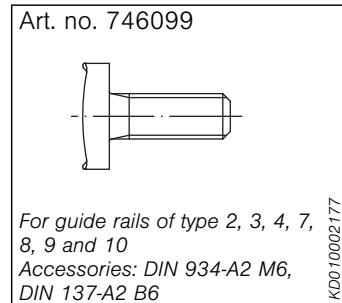
### Hanger bolts without seal coating (for fixing in screw anchor)

Art. no.	Head shape	Number
746048		M6x130
746017		M8x90
746064		M8x110
746065		M8x130
746050		M8x160

### WARWIC bolts with seal coating

Art. no.	Head shape	Number
557214		M8x90
557215		M8x100
557216		M8x110
557217		M8x120
557218		M8x130
557219		M8x140
557220		M8x160
557221		M8x180

### Square head bolt



Price and delivery time on request.

**WAREMA insulating plate**

**Reducing thermal bridges**

The WAREMA insulating plate provides a thermal barrier when mounting brackets, consoles and guide rail brackets are mounted in the insulation. This reduces heat loss result-

ing from mounting elements and effectively lowers energy loss.

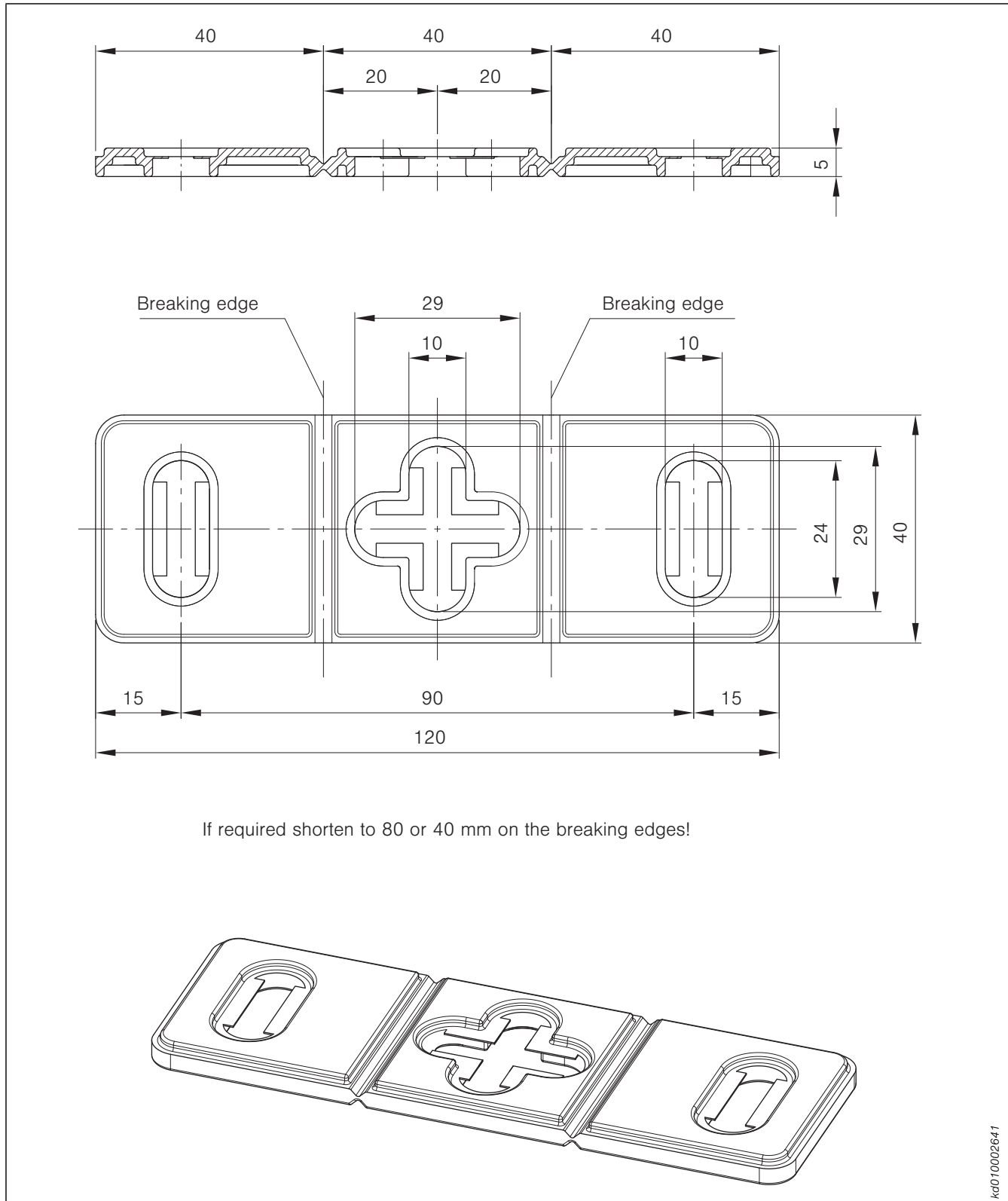


fig. 163: WAREMA insulating plate, art. no. 302246

## Fixing Systems

### Exterior insulation and finish system

#### fischer Thermax 8/Thermax 10

The thermal barrier module for secure anchoring in exterior insulation and finish systems.

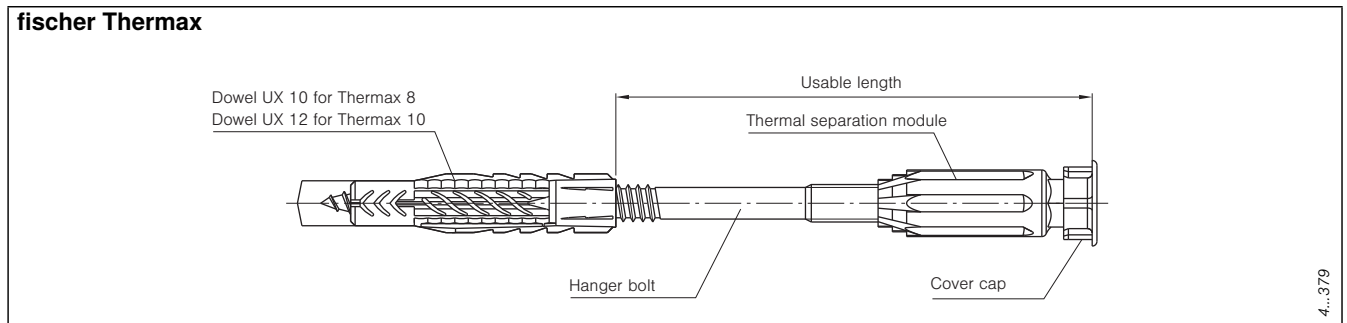


fig. 164: fischer Thermax

Art. no.	Designation	Usable length in mm
791041	Thermax 8/60 M6	45–60
791042	Thermax 8/80 M6	60–80
791043	Thermax 8/100 M6	80–100
791044	Thermax 8/120 M6	100–120
791045	Thermax 8/140 M6	120–140
791046	Thermax 8/160 M6	140–160
791047	Thermax 8/180 M6	160–180
791048	Thermax 10/100 M6	80–100
791049	Thermax 10/120 M6	100–120
791050	Thermax 10/140 M6	120–140
791051	Thermax 10/160 M6	140–160
791052	Thermax 10/180 M6	160–180
791053	Thermax 10/100 M8	80–100
791054	Thermax 10/120 M8	100–120
791055	Thermax 10/140 M8	120–140
791056	Thermax 10/160 M8	140–160

Price and delivery time on request.

# Fixing systems

## Details

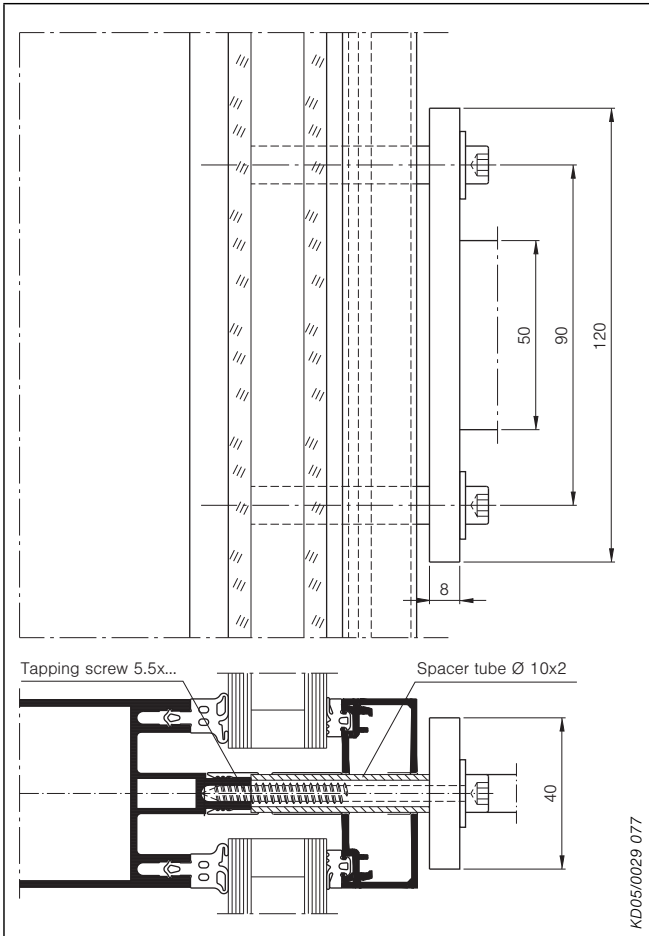


fig. 165: Fixing of guide rail bracket using spacer tubes between bracket and pole profile

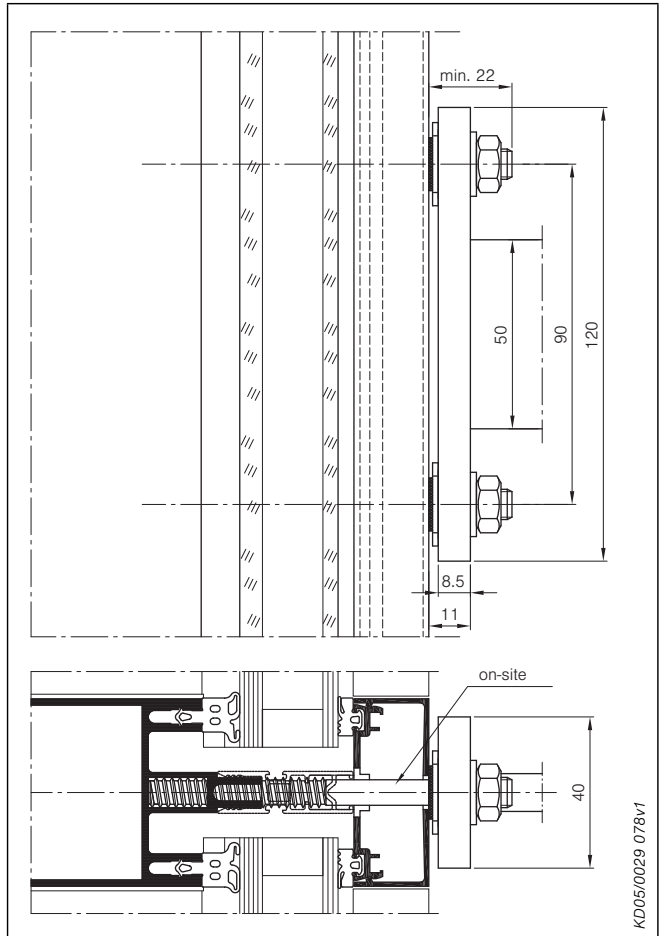


fig. 166: Fixing the guide rail bracket using WICONA WARWIC bolts

# Contents

## Fabrics

Fabrics ..... 172

## Description

### Fabrics

#### Lumera acrylic

Price category:	1
Material:	CBA fibre
Fabric weight:	approx. 290 g/m <sup>2</sup>
Web width:	1200 mm
Processing:	sewing, UltraSeam™ or gluing optional
Building materials class:	none
Colour:	in accordance with current collection
Fabric properties:	brilliant colours; luminosity; high water column; dirt-repellent

Fabrics with a width of more than 1100 mm are made from several individual lengths of fabric.

#### With easyZIP guidance:

If the order width exceeds the available bale width, Lumera acrylic fabric is used crosswise.

All fabrics on a facade should then be used crosswise in order to give a uniform appearance across the entire building.

The first transverse seam is necessary from order heights of 1100 mm.

#### Standard acrylic

Price category:	1
Material:	100% brand acrylic fabric with fluoro-carbon-based impregnation
Fabric weight:	approx. 300 g/m <sup>2</sup>
Web width:	1200 mm
Processing:	sewing, UltraSeam™ or gluing optional
Building materials class:	none
Colour:	in accordance with current collection
Fabric properties:	light-fast, weather-fast, tear-resistant, dirt-repellent, rot-proof, air permeable, water-repellent

Fabrics with a width of more than 1100 mm are made from several individual lengths of fabric.

#### With easyZIP guidance:

If the order width exceeds the available bale width, Standard acrylic fabric is used crosswise.

All fabrics on a facade should then be used crosswise in order to give a uniform appearance across the entire building.

The first transverse seam is necessary from order heights of 1100 mm.

#### All Weather acrylic<sup>1)</sup>

Price range:	2
Material:	100% brand acrylic fabric with transparent acrylate coating on the outside
Fabric weight:	approx. 335 g/m <sup>2</sup>
Web width:	1200 mm
Processing:	sewing, UltraSeam™ optional
Building materials class:	none
Colour:	in accordance with current collection
Fabric properties:	all fabric properties of standard acrylic fabric and nearly water-proof (water column 1000 mm)

Fabrics with a width of more than 1100 mm are made from several individual lengths of fabric.

#### With easyZIP guidance:

If the order width exceeds the available bale width, All Weather acrylic fabric is used crosswise.

All fabrics on a facade should then be used crosswise in order to give a uniform appearance across the entire building.

The first transverse seam is necessary from order heights of 1100 mm.

#### Perfora acrylic

Price range:	2
Material:	100% brand acrylic fabric with perforation
Fabric weight:	approx. 270 g/m <sup>2</sup>
Web width:	1200 mm
Processing:	sewing, UltraSeam™ or gluing optional
Building materials class:	none
Colour:	in accordance with current collection
Fabric properties:	all fabric properties of standard acrylic fabric. Increased transparency and reduced heat accumulation due to the uniform perforation

Fabrics with a width of more than 1100 mm are made from several individual lengths of fabric.

#### With easyZIP guidance:

If the order width exceeds the available bale width, Perfora acrylic fabric is used crosswise.

All fabrics on a facade should then be used crosswise in order to give a uniform appearance across the entire building.

The first transverse seam is necessary from order heights of 1100 mm.

#### Soltis-92<sup>1)</sup>

Price range:	3
Material:	base material made of highly tear-resistant polyester with PVC coating
Fabric weight:	approx. 420 g/m <sup>2</sup>
Web width:	1770 mm.
Processing:	welding
Building materials class:	B1 in accordance with DIN 4102-1
Colour:	in accordance with current collection
Fabric properties:	dirt-repellent, highly tear-resistant, high diagonal stability, resistant to UV rays

Fabrics with a width of more than 1770 mm are welded crosswise. The lateral cut edges are heated when cut. All units should then be used crosswise on the facade in order to give a uniform appearance across the entire building.

#### Screen

Price range:	2
Material:	PVC-coated glass fibre
Fabric weight:	approx. 525 g/m <sup>2</sup>
Web width:	2500 mm
Processing:	welding

1) Due to its increased weight the fabric may sag more than standard fabrics and thus come to rest on the guiding tubes sooner.