

Tender specification concrete skin

Glassfibre reinforced concrete panel "concrete skin" for facade cladding

Status: July 2026

General

Information in the text of the invitation for tender must be reviewed and, if necessary, supplemented for the object. Further liability by Rieder Smart Elements GmbH & Co KG is excluded. This also applies to printing and writing mistakes and to any subsequent changes. The respective national laws, standards and preliminary remarks for advanced rear-ventilated façades amended from time to time shall apply. Loading, storage and handling provisions of the manufacturer must be observed.

General construction technique permit

Glassfibre reinforced concrete panels "fibreC" to cover exterior walls are certified with a general construction technique permit (*allgemeine Bauartgenehmigung*) "Z-31.4-166".

Certificate of conformance Austria

Austrian Certificate of Conformance No.: Z-6.1.2-04-4772

concrete skin façade

_____ m²

Glassfibre reinforced concrete "concrete skin" for covering outer walls, delivery and installation on aluminium substructure.

- fibreC glassfibre reinforced concrete panels produced of mineral raw materials
- Standard panel dimensions 2500 x 1310 x 13 mm, 3100 x 1310 x 13 mm and 3600 x 1310 x 13 mm
- Texture: standard
- Reinforcement by alkaline-resistant glass fibres in the matrix (CEM-Fil, approval Z-3.72-1731), 2-layer textile glass fabric (each longitudinally and cross-wise) and short fibres
- Production method by extrusion
- Dead weight / area weight 26 - 31.5 kg/m² depending on shade
- Bending tension resilience > 18 N/mm² (MOR)**
- Elasticity modulus approx. 10,000 N/mm²
- Frost resistance pursuant to EN 12467
- Building material class A1 not flammable pursuant to DIN 4102 | EN 13501
- Water impermeability pursuant to EN 12467
- Wet-dry test pursuant to EN 12467
- Crystalline silica < 0% - not detectable
- Surface protection: The surface is applied with a transparent hydrophobic coating by default.

** MOR: Modus of Rupture; design values deviate from MOR according to national provisions. The national approvals and provisions on calculation of the rated resistance shall apply

Loading, storage and handling provisions of the manufacturer must be observed.

Ventilated façade covers on existing substructure according to technical provisions and applicable standards.

Supplier concrete skin: Rieder Smart Elements GmbH & Co KG
Glemmerstraße 21, 5751 Maishofen, Austria
T +43 6542 690 844, office@rieder.cc, www.rieder.cc

COLOURS

Colour collection greyscale:

polar white	_____m ²
off-white	_____m ²
ivory	_____m ²
silvergrey	_____m ²
chrome	_____m ²
anthracite	_____m ²
liquid black	_____m ²

Colour collection bricky:

coralline	_____m ²
terracotta	_____m ²
oxide red	_____m ²
burgundy	_____m ²
merlot	_____m ²

Colour collection timber:

larch	_____m ²
oak	_____m ²
walnut	_____m ²
ebony	_____m ²
terra	_____m ²

Colour collection pietra:

cotton	_____m ²
vanilla	_____m ²
sahara	_____m ²
sandstone	_____m ²
almond	_____m ²

Other colours:

green	_____m ²
-------	---------------------

SURFACES

ferro: sandblasted surface	_____m ²
ferro light: slightly sandblasted surface <i>(only available on request for formparts)</i>	_____m ²
matt: smooth, brushed surface <i>(not available for formparts)</i>	_____m ²

SPECIAL TEXTURES

terrazzo black ferro plus	_____	m ²
vintage matt	_____	m ²
groove ferro soft	_____	m ²
groove ferro light	_____	m ²
groove ferro	_____	m ²
twine ferro soft	_____	m ²
twine ferro light	_____	m ²
twine ferro	_____	m ²
glossy solo (interior)	_____	m ²
salt'n'pepper ferro plus	_____	m ²
salt'n'pepper ferro	_____	m ²
luce silver ferro	_____	m ²
lumber ferro	_____	m ²
slate ferro soft	_____	m ²

SPECIAL SIZES

Width: max. 1500 mm
 Length: max. 5000 mm
 Thickness: 13 – 18 mm

_____ mm width x _____ mm length x _____ mm thickness _____ m²

FORMPARTS

U-shape: Leg x width x leg x length: _____ pcs.

L-shape: Leg x leg x length: _____ pcs.

Round arc formed part: Unwinding length x unwinding width: _____
 Radius: _____ ° _____ pcs.

SERVICE

Cut rectangular according to measurements: _____ m²

Special cut (waterjet): _____ m

Mitre cut (45° for edges): _____ m

Small cuttings (< 0,7 m²): _____ pcs.

Undercut anchor drilling for KEIL hs=8.5 _____ pcs.

Though drilling: Diameter 8 mm for rivet attachment _____ pcs.

ACCESSORIES/FASTENING

Exposed fastening with rivet

Visible attachment with rivets for aluminium substructure.

Attachment with fixed and sliding points, fixed points must be produced with sleeves.

Attachments: Façade rivet of aluminium with head painting, head diameter 14/16mm, length depending on substructure and panel thickness.

Material: AlMg3 (material no. EN AW-5754 according to DIN EN 573-3:2003-10)

Rivet mandrel: non-corrosive steel (material no. 1.4541)

Fixed point sleeve of aluminium, outer diameter 7.7mm, length depending on panel thickness.

Material: AlMg3 (material no. EN AW-6060 according to DIN EN 573-3:2003-10)

Supplier rivets: Rieder Smart Elements GmbH & Co KG
Glemmerstraße 21, 5751 Maishofen, Austria
T +43 6542 690 844, office@rieder.cc, www.rieder.cc

Concealed fastening with undercut anchor

Concealed attachment with undercut anchor from Keil with setting depth 8.5mm. Screw length depending on substructure.

Approval number: ETA-06/0220

Supplier undercut anchor: KEIL Befestigungstechnik GmbH
PO box 1158, 51751 Engelskirchen, Germany
T +49 2263 807 0, mail@keil.eu, www.keil.eu

Concealed fastening with RPA Rieder Power Anchor

Approval number: Z-31.4-166

Supplier RPA Rieder Power Anchor: Rieder Smart Elements GmbH & Co KG
Glemmerstraße 21, 5751 Maishofen, Österreich
T +43 6542 690 844, office@rieder.cc, www.rieder.cc

Concealed fastening by bonding with the Innotec system

Concealed fastening by bonding using the Innotec system supplied by **Innotec GmbH & Co. KG** on aluminium substrates.

Tested colours: liquid black, chrome, anthracite, ivory, silvergrey, sandstone, terra, walnut, oak, ebony, larch, merlot, terracotta

Approval number: Z-10.8-483 General construction technique permit (Allgemeine Bauartengenehmigung)

Supplier: www.innotec.info

CONTACT

Sales:	Rieder Smart Elements GmbH & Co KG Glemmerstraße 21 5751 Maishofen Austria T +43 6542 690 844 office@rieder.cc www.rieder.cc	Production:	Rieder Faserbeton-Elemente GmbH Bergstraße 3a 83059 Kolbermoor Germany T +49 8031 90167 0 office@rieder.cc www.rieder.cc
--------	--	-------------	--