



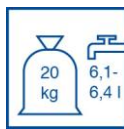
Technical Data Sheet Art. No. 0228

iQ-Top

Climate regulating render with pronounced, high adsorption and release of humidity



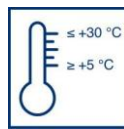
For use indoors



Dry mortar / water
20 kg
6,1-6,4 l



Mixing time
3 Min.



Working temperature
 $\leq +30\text{ }^{\circ}\text{C}$
 $\geq +5\text{ }^{\circ}\text{C}$



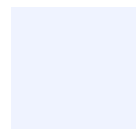
Mortar cover / filling knife / trowel



Shelf-life
12 Month



Protect from moisture



Range of use

Reinforcement and finishing render in the iQ-Therm System. Used as a two-layer sorption and installation layer for bedding iQ-TEX in a layer from 10-15 mm thick.

Property profile

- Water vapour permeable
- High capillary activity
- High moisture buffering capacity
- Favourable deformation behaviour
- Low weight per unit area
- Thermally insulating
- Humidity regulating
- A special pore geometry allows high absorption of humidity when relative humidity is more than 70 %. If relative humidity falls below 70 %, the stored moisture is given off again, regulating climate.
- Resistant to water

Substrate

The iQ-Therm Insulation Panels must be free of material that could interfere with the adhesion of the

Characteristic data of the product

Colour:	antique white
Bulk density:	approx. 0.7 kg/dm ³
Dry density:	approx. 630 kg/m ³
Working time:	30 minutes
Compressive strength:	CS II
Thermal conductivity λ :	0.111 W/mk
AW value:	0.0139 kg/m ² s ^{0.5}
w (80):	0.015 m ³ /m ³
w (sat):	0.76 m ³ /m ³
Reaction to fire (DIN EN 998):	Euro Class A 1

render (e.g. dust, loose material, release agents, etc.)

Directions

Pour **approx. 6.1 - 6.4 litres of water** into a clean container (mortar tub), add **20 kg iQ-Top** and mix thoroughly with suitable mixing equipment/mixing paddle (e.g. BEBA double shaft positive mixer) for approx. 3 minutes until homogenous and the proper consistency for working has been achieved. Allow the render to mature for 10 minutes, then briefly mix again.

When using iQ-Top as a reinforcement layer on iQ-Therm, apply the mortar 5 mm thick with a

10/12 toothed trowel and comb while fresh. iQ-TEX is then bedded into the mortar in vertical sheets, wrinkle-free, with a smoother. Make sure that each sheet of fabric overlaps the next by at least 10 cm. The surface is then levelled with a rule. The fabric should be covered by at least 1 mm of iQ-Top.

The second layer is applied wet-on-wet. The thickness of the total layer should not exceed 15 mm. In areas where there are openings in the building (window and door jambs), diagonal reinforcement is used in addition which should be

placed over the surface reinforcement.

Make sure that the strips of fabric are pressed tightly into the corners of the openings. The freshly applied iQ-Top is then immediately closed with a wet, toothed float and levelled roughly with a rule. After iQ-Top has sufficiently set it is worked over with a felt float. The application of iQ-Fill can be executed at the earliest after 24 hours.

Notes

Initially set filler cannot be made workable again by adding water or fresh filler. Do not use if the temperature of the air, substrate and building material are below +5 °C or above +30 °C. The characteristic data given were determined under laboratory conditions at 20 °C and 65 % relative humidity. Low temperatures lengthen; high temperatures reduce working and setting time.

Protect from drying out too quickly (e.g. drafts and thermal loads). If necessary, subsequently moisten/spray with water.

The surface should be free of cracks. Hair or shrinkage cracks are no reason for complaint since they do not impair the technical properties of the render.

Tools, cleaning

BEBA double shaft mixer, spreader, smoothing float, toothed spreader, levelling rule (aluminium), render comb, trowel, felt float.

Clean tools with water while the material is still fresh.

Packaging, application rate, storage

Packaging:

20 kg paper bags

Application rate – dry mortar:

Approx. 6 kg/m²/cm thick layer

Shelf-life:

Approx. 12 months stored dry in closed bags

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is

found in the latest Safety Data Sheet.



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GBI P44

EN 998-1: 2010-12

iQ-Top

Designed rendering/plastering mortar with a dry hardened density $\leq 1300 \text{ kg/m}^3$

Reaction to fire:	class A1
Adhesion:	$\geq 0.08 \text{ N/mm}^2$ (fracture pattern B)
Water absorption:	W 0
Water vapour permeability:	$\mu \leq 12$
Thermal conductivity ($\lambda_{10, \text{dry}}$):	$\leq 0.11 \text{ W/(m}^2\text{K)}$ for P=50%
Durability: (against freeze-thaw)	Resistant, by use acc. TDS
Dangerous substances:	NPD

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

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