



## iQ-Therm 2.0 30/50/80/120

Mineral nonwoven laminated strips made of rigid polyurethane foam for creating capillary-active interior insulation



Type/Name	Dimensions (length x breadth)	Availability				
		Quantity per pallet	3	3	3	3
		<b>Size / Quantity</b>				
		Type of container	Carton	Carton	Carton	Carton
		Container code	01	01	01	01
		<b>Art. no.</b>				
iQ-Therm 2.0 / 30	1175 mm x 125 mm, thickness 30 mm	0160	■			
iQ-Therm 2.0 / 50	1175 mm x 125 mm, thickness 50 mm	0161		■		
iQ-Therm 2.0 / 80	1175 mm x 125 mm, thickness 80 mm	0162			■	
iQ-Therm 2.0 / 120	1175 mm x 125 mm, thickness 120 mm	0163				■

**Application rate**  
 Approx. 0.85 strips/running m  
 Approx. 6.8 strips/m<sup>2</sup>

**Range of use**



- Energy efficiency upgrades
- Mould control and prevention in existing buildings
- Implementation of the hygienic minimum heat insulation level in existing buildings
- Improving the room climate by increasing the wall surface temperature

**Property profile**

- Strip-shaped
- Excellent thermal insulation
- Water vapour permeable
- Capillary active when used in a system
- Lambda rating value in the installed state approx. 0.003 W/(mK) higher in each case
- Fire behaviour class B-s1, d0 (DIN EN 13501-1)
- Building material class B1 flame retardant according to DIN 4102-1
- Low construction height, choice of 30, 50, 80 & 120 mm
- Easy to apply
- Thermal insulation material according to DIN 4108-10

**Characteristic data of the product**



Dry density	> 30 kg/m <sup>3</sup>
[pk_anl_lambda_nennwerte_waermeleitfaehigkeit]	d < 80 mm: 0.028 W/(mK) 80 mm ≤ d < 120 mm: 0.026 W/(mK) d ≥ 120 mm: 0.025 W/(mK)
[pk_anl_lambda_bemessungswerte_waermeleitfaehigkeit]	d < 80 mm: 0.029 W/(mK) 80 mm ≤ d < 120 mm: 0.027 W/(mK) d ≤ 120 mm: 0.026 W/(mK)
Design value for thermal conductivity	approx. 0.003 W/(mK) higher in each case (once installed)
Water vapour diffusion resistance	40 - 200
Fire behaviour in system	B-s1,d0 (EN 13501-1)
Building material class in system	B1 flame retardant according to DIN 4102-1

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

#### Certificates

- [AbP P-2303/289/23 MPA BS\\_valid until 01.11.2028](#)
- [Fire behaviour classification](#)

#### Additional information

- [iQ-Therm 2.0 FAQ 07/23](#)

#### Possible system products

- [iQ M universal \(0211\)](#)
- [iQ Top \(0228\)](#)
- [SL Fill Q4 \(0210\)](#)
- [Color SL \(0237\)](#)
- [Tex 6.5/100 \(0236\)](#)
- [Tex 4/100 \(3880\)](#)
- [Komriband 15/5-10 \(4272\)](#)
- [Partition Wall Strips \(4258\)](#)

#### Preparation

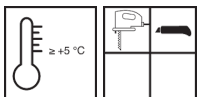
##### ■ Substrate requirements

The substrate must be load-bearing, even, clean, dry and free from adhesion-reducing substances. Remove wallpaper and dispersion coatings.

##### ■ Substrate preparation

Level off and even out highly uneven substrates – use SP Level to close up joints and even out surfaces.

#### Directions



##### ■ Conditions for use

Temperature of the material, air and substrate: min. +5 °C.

Pre-wet absorbent substrates.

Apply iQ M universal to the substrate as a scratch coat.

Apply iQ M universal wet-on-wet with a notched trowel as the first mortar layer on the edge insulation strip and wall.

Position and press the iQ-Therm 2.0 strips into the adhesive bed. Finish the interior insulation strip by strip. To do this, prepare the bed joints with iQ M universal. Leave joints between the strips free. Avoid cross-joints! Align using a floating rule.

#### Tips on use

Mark the desired lengths on the iQ-Therm 2.0 strips. Cut to size with a cutter knife.

Prepare bed joints with iQ M universal. Do not glue butt joints!

Avoid creating cross joints.

Make sure that full-surface bonding is achieved.

Cut with a cutter knife, insulation knife or plunge saw.

#### Notes

Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.

#### Tools / Cleaning

Cutter knife



##### Remmers tools

- [Montagezylinder \(4257\)](#)
- [Fräswerkzeug für Montagezylinder \(4255\)](#)
- [Gitterrabort \(4231\)](#)



**Storage / Shelf life** Dry and frost-free.



**Disposal** The product must be disposed of in accordance with the official regulations.

**Declaration of performance** > **Declaration of performance**

**Declaration of conformity**



**NB 0761**

**Remmers GmbH**

Bernhard-Remmers-Str. 13, D – 49624 Lönninge

CE 23

**GBI-P 125-1**

0160

DIN EN 13165:2012 + A2:2016

PU-EN 13165-T2-DS(70,90)3-DS(-20,-)2-DLT(2)5-CS(10\Y)120-TR50

Thermal insulation material for buildings

Fire behaviour in the system:	B-s1,d0 (EN 13501-1)
Nominal value of resistance to heat transmission:	Nominal thickness 30 mm = R <sub>D</sub> 1.10 Nominal thickness 50 mm = R <sub>D</sub> 1.85 Nominal thickness 80 mm = R <sub>D</sub> 3.05 Nominal thickness 120 mm = R <sub>D</sub> 4.80
Nominal value of thermal conductivity:	d <sub>N</sub> < 80 mm - λ <sub>d</sub> = 0.027 W/(m <sup>2</sup> ·K) 80 mm ≤ d <sub>N</sub> < 120 mm - λ <sub>d</sub> = 0.026 W/(m <sup>2</sup> ·K) d <sub>N</sub> ≥ 120 mm - λ <sub>d</sub> = 0.025 W/(m <sup>2</sup> ·K)
Nominal thickness/thickness tolerance:	30 - 120 mm
Compressive strength/stress:	CS(10/Y)120
Tensile strength perpendicular to the panel plane:	TR50
Dimensional stability under defined temperature and moisture conditions:	DS(70.90)3 DS(-20.-)1
Deformation at defined pressure and temperature load:	DLT (2)5

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.