



# iQ-Therm 2.0 K 50

Wedge-shaped interior insulation panel in the iQ-Therm 2.0 system



Dimensions (length x breadth)	Availability	
	Quantity per pallet	160
	Size / Quantity	
	Type of container	Package
	Container code	01
	Art. no.	
approx. 1200 mm x 600 mm, thickness approx. 50/10 mm	0164	■

**Application rate**

Approx. 1.4 panels/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
- Compensation of thermal bridging effects in ceiling and wall connection areas
- Optical correction of butt joints

**Property profile**

- Excellent thermal insulation
- Thermal conductivity (nominal value) approx. 0.028 W/(m•K)
- Low construction height
- Easy to apply
- Thermal insulation material according to DIN 4108-10

**Characteristic data of the product**

Dry density	> 30 kg/m <sup>3</sup>
Fire class	E according to DIN EN 13501-1
Building material class	B2 normal flammability 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.

**Possible system products**

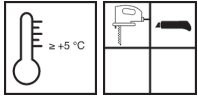
- > **iQ-Therm 2.0 30/50/80/120 (0160)**
- > **iQ-Therm 2.0 L15 (0165)**
- > **iQ M universal (0211)**
- > **SL Fill Q4 (0210)**
- > **Color SL (0237)**
- > **Tex 4/100 (3880)**
- > **Tex 6.5/100 (0236)**

**Preparation**

- **Substrate requirements**  
The substrate must be load-bearing, even, clean, dry and free from adhesion-reducing substances.
- **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 the substrate.  
 Apply iQ M universal to the substrate as a scratch coat.  
 Use a notched trowel to apply iQ M universal wet-on-wet to the back of the wedge and the substrate.  
 Position and press on the boards from the bottom up.  
 Align using a floating rule.

**Tips on use**

Mark the desired dimensions on the board.  
 Cut to size using a cutter knife.  
 Rework the cut edges with a rasp or file if necessary.  
 Avoid cross joints.  
 Align using a floating rule.  
 Make sure that full-surface bonding is achieved.

**Notes**

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

**Tools / Cleaning**



Cutter knife

**Storage / Shelf life**



Dry and frost-free.

Declaration of conformity



**NB 0751**

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**GBI-P 126**

0164

DIN EN 13165:2012 + A2:2016

PU-EN 13165-T2-DS(70,90)3-DS(-20,-)2-CS(10\Y)150-TR100

Thermal insulation material for buildings

Reaction to fire:	E (EN 13501-1)
Nominal value of resistance to heat transmission:	Nominal thickness 30 mm = R <sub>0</sub> 1.10 Nominal thickness 50 mm = R <sub>0</sub> 1.85
Nominal value of thermal conductivity:	d <sub>N</sub> < 80 mm - λ <sub>d</sub> = 0.027 W/(m <sup>2</sup> ·K)
Nominal thickness/thickness tolerance:	10 - 50 mm
Compressive strength/stress:	CS(10/Y)150
Tensile strength perpendicular to the panel plane:	TR100
Dimensional stability under defined temperature and moisture conditions:	DS(70,90)3 DS(-20,-)2

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.

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