

DECLARATION OF PERFORMANCE

according Annex III of the Regulation (EU) No 305/2011
amended by Commissions delegated Regulation (EU) No 574/2014

DECLARATION OF CONFORMITY

according Statutory Instruments (UK) 2019 No. 465; 2020 No. 1359

Name of the product

iQ-Therm 2.0 30/50/80/120

Varianten 0160, 0161, 0162, 0163

No. GBI-P 125

Unique identification code of the product-type:

0160

Intended use/es:

Thermal insulation material for buildings

Manufacturer:

**Remmers GmbH
Bernhard-Remmers-Straße 13
D-49624 Lönningen/Germany**

Distributor UKCA:

**Remmers (UK) Limited, Unit 4, Lloyds Court, Manor Royal Crawley,
RH10 9QU**

System/s of AVCP:

System 3 (for uses subject to reaction to fire regulations)

Harmonised standard:

EN 13165: 2012 + A2:2016

Notified body/ies:

**FIW München
Identification number 0751**

Declared performance/s:

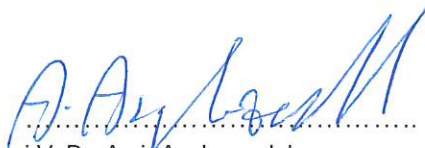
| Essential characteristics | Performance | | |
|--|--|------------------------------|---------------------------|
| Reaction to fire | E (EN 13501-1) | | |
| Thermal resistance | Thermal resistance (tab. 1) | Nominal thickness d_N (mm) | R_D ($m^2 \cdot K/W$) |
| | | 30 | 1,10 |
| | | 50 | 1,85 |
| | | 80 | 3,05 |
| | Thermal conductivity | 120 | 4,80 |
| | | $d_N < 80$ mm | $\lambda_D = 0,027$ W/m*K |
| $80 \text{ mm} \leq d_N < 120$ mm | | $\lambda_D = 0,026$ W/m*K | |
| Thickness | $d_N \geq 120$ mm | $\lambda_D = 0,025$ W/m*K | |
| Compressive strength | Compressive stress | CS(10Y)120 | |
| Tensile/flexural strength | Tensile strength perpendicular to the panel surface | TR50 | |
| Durability of the reaction to fire under the influence of heat, weather, aging/decay | The reaction to fire of polyurethane hard foam products remains constant. | | |
| Durability of the thermal resistance under the influence of heat, weather, aging/decay | Thermal resistance and thermal conductivity | R_D (see Tab. 1) | |
| | Durability of the thermal resistance under the influence of aging/decay | λ_D (see Tab. 1) | |
| | Determination of the values of thermal resistance and thermal conductivity after aging | NPD | |
| | Dimensional stability under defined conditions of temperature and air humidity | DS (70,90)3 | |
| | Deformation under given load and temperature exposure | DS (-20,-)1 | |
| | | DLT (2)5 | |

| | Dimensions | | | Packaging unit |
|---------------------------|------------|---------|-----------|---------------------------------|
| | Width | Length | Thickness | Stripes per package/ m^2 |
| iQ-Therm 2.0 - 30 | 125 mm | 1200 mm | 30 mm | 144 stripes \cong 21,15 m^2 |
| iQ-Therm 2.0 - 50 | 125 mm | 1200 mm | 50 mm | 84 stripes \cong 12,34 m^2 |
| iQ-Therm 2.0 - 80 | 125 mm | 1200 mm | 80 mm | 48 stripes \cong 7,05 m^2 |
| iQ-Therm 2.0 - 120 | 125 mm | 1200 mm | 120 mm | 36 stripes \cong 5,29 m^2 |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Löningen, 19.04.2023
(place and date of issue)



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i.V. Dr. Amir Asgharzadeh
(Senior Manager)



.....
i.A. Laurin Schäfer
(R&D Building protection)