

CERTIFICATE

No.: **PU-214.0-07**

English Version

The voluntary certification program of **FIW München** according to **EN ISO/IEC 17067** for thermal insulation products made from rigid polyurethane foam (PU) for use in buildings (Publication date: 01.12.2018)

Product: **"Eurothane® Silver E FR"**

Factory made rigid polyurethane foam (PU) products according EN 13165:2012+A2:2016 laminated boards with diffusion tight facings and pentane as blowing agent for the application as thermal insulation for buildings

PU-EN 13165-T2-DS(70,90)3-DS(-20,-)1-CS(10\Y)150-TR80-DLT(2)5-WL(T)2

Reaction to Fire acc. EN 13501-1: Klasse E

The Manufacturer: **RECTICEL Insulation NV, 8560WEVELGEM, Belgien**

and the

FIW München, Forschungsinstitut für Wärmeschutz e.V. München, 82166 Gräfelfing akkreditierte Zertifizierungsstelle nach EN ISO/IEC 17065 für freiwillige Z-Programme

have concluded a contract for voluntary certification of the product mentioned above

for the plant

8560 WEVELGEM, Belgien

Certification includes regular inspection of factory production control (FPC) according to EN 13165 and EN 13172 clause 5, as well as regular product testing on random samples taken in the factory. Thereby, the applicability of the thermal insulation product for a certain application in buildings is proved, and a proof of quality for customers and end-users is provided on a voluntary basis.

The following properties have been checked during product testing in the completed certification year:

certified product properties	nominal value/ level/class	Annual test results of the accredited testing laboratory
Thermal conductivity λ (EN 12667:2001): Declared thermal conductivity λ_D : Thickness range ≥ 30 mm < 80 mm Thickness range ≥ 80 mm < 120 mm Thickness range ≥ 80 mm ≤ 200 mm $\lambda_{90/90} \leq \lambda_D$ acc. FPC (EN 13165 Annex A and C)	0,022 W/(m·K) 0,022 W/(m·K) 0,022 W/(m·K) Fulfilled	2x per product type (Bewertung nach Z-Programm Abschnitt 6.6) 2x FPC-Inspection
Thickness (EN 823:2013):	T2	2x per product type
Compressive stress or compressive strength (EN 826:2013):	≥ 150 kPa	2x per product type
Tensile strength perpendicular to faces (EN 1607:2013):	≥ 80 kPa	2x per product type
Dimensional stability (class acc. EN 13165 clause.4.3.2) 70 °C / 90 % r.F. über 48 h (EN 1604:2013): -20 °C über 48 h (EN 1604:2013):	DS(70,90)3 DS(-20,-)1	2x per product type 2x per product type
Reaction to fire of the product placed on the market acc. EN 13501-1:2018	Klasse E	1x per facing /coating
Additional properties tested: density (EN 1602:2013): test of closed cell content (gas chromatography):	tested blowing agent confirmed	1x per λ -test 1x per λ -test

The certificate is valid until 31.12.2023

Certification Body

Gräfelfing, 09.05.2022

This certificate was issued upon completion of the annual factory and product audits and is renewed upon positive test results in the following certification year. It is only valid if the certificate number PU-214.0-07 is registered on the homepage of the ÜGPU (www.uegpu.de), but not longer than 31.12.2023.



Ralph Alberti

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