

Declaration of Performance 0503 12 15

EN 1013: 2012 + A1: 2014 | 0672

Rhenolight



1. Unique identification code of the product type	Rhenolight Rhenolight (1.2 mm and 1.5 mm)
2. Intended use	Light transmitting single skin profiled PVC-U panels for internal and external use in roofs, walls and ceilings as well as roof covering products for discontinuous laying
3. Manufacturer	FDT FlachdachTechnologie GmbH & Co. KG Eisenbahnstraße 6-8, D-68199 Mannheim
4. Authorised representative	Not relevant (see 3.)
5. Constancy of performance	System 3
6. a) Harmonised standard	DIN EN 1013:2012+A1:2014
Notified body	0672
6. b) European Assessment Document	Not relevant (see 7.)
European Technical Assessment	Not relevant (see 7.)
Technical Assessment Body	Not relevant (see 7.)
Notified body	Not relevant (see 7.)

7. Declared performance

(Harmonised technical specification according to EN 1013:2012+A1:2014, table ZA. 1.1 and ZA. 1.2)

Essential characteristics	Performance	Test method	Scope of application	
			Internal and external use in walls and ceilings according to table ZA.1.2	Roof covering products according to table ZA.1.1
External fire performance	F _{Roof} (KLF/NPD)	CEN/TS 1187, classification according to EN 13501-5		■
Reaction to fire	Class E	EN ISO 11925-2, classification according to EN 13501-1	■	■
Water/air permeability	Passed		■	■
Dimensional tolerances	Passed			■
Water vapour permeability	0.8 x 10 ⁻⁵ (mg/(m*h*Pa))	EN ISO 12572	■	■
Release of hazardous substances	KLF/NPD		■	■
Small hard body impact resistance	Passed	EN 6603-1	■	■
Large soft body impact resistance	NPD			■
Flexural/tensile strength as				
Flexural modulus	2500 MPa	ISO 178	■	
Rigidity coefficient [E·t³]	4.3 Nm		■	■
Resistance to fixings	Approval Z-14.1-4 Appendix 4.10		■	
Durability, as variation (after ageing):				
- of yellowness index	10 (B1)	EN ISO 11664-1/EN ISO 11664-2	■	■
- of light transmittance	≤ 10 % (B1)	EN ISO 13468-1/EN ISO 13468-2	■	■
- of flexural/tensile strength			■	■
> flexural strength and	> 20 % to ≤ 30 % (B1)			
> elasticity modulus	> 20 % to ≤ 30 % (B1)			

8. Declaration

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:



ass. jur. Joachim Gussner, Managing Director
Mannheim, 1 July 2016