

Declaration of Performance

Reference number 17 - TW/WD - 130

according to Construction Products Regulation (EU) No. 305/2011



1. Unique identification code of product type:

Insulation material made of polystyrene foam granulate and binding agent – ThermoWhite WD 130R

2. Type, batch or serial number or other code for identification of the construction product according to Article 11, Para 4:

**For batch number see product packaging/CE-mark (ready-mix)
or on-site mixing log**

3. Intended use or uses of the construction product as defined by the manufacturer according to the applicable harmonised technical specifications:

Insulation material for thermal and/or airborne noise insulation

4. Name, registered trading name or registered trademark and contact address of manufacturer according to Article 11, Para 5:

Thermowhite GmbH, Pyhrn 3, 4582 Spital am Pyhrn www.thermowhite.at

5. Where applicable, name and contact address of authorised person charged with the tasks as per Article 12, Para 2:

Not applicable

6. System or systems for assessing and testing the performance durability of the construction product as per Appendix V of the Construction Product Regulation:

System 3

7. Notified body (hEN); work performed by notified body according to harmonised standard

Not applicable

8. Notified body (ETA); work performed by notified body according to European Technical Assessment (ETA)

Österreichisches Institut für Bautechnik, Schenkenstrasse 4, 1010 Wien, Austria

Notified Body No. 1086 (ETA-17/0408 in German)

9. Declared performance of construction product:

Essential features	Performance	Harmonised tech. specifications
Fire behaviour to EURO CLASS	E	ETA 17/0408
Content and/or release of hazardous substances	Chrome VI amounts to ≤ 2 mg Cr(VI)/kg.	
HBCDD	0%	
Water vapour permeability	$\mu = 5.0$ min., $\mu = 10.0$ max.	
Compressive stress with 10% compression ≥ 50 mm	At least CS (10)50 70kPa	
Compressive stress with 10% compression ≥ 100 mm	At least CS (10)70 80kPa	
Creepage deformation/Overall compression	$\epsilon_{c10a} = 2.23\%$ / $\epsilon_{10a} = 3.1\%$	
Rated thermal conductivity	λ (10, dry, 90/90) 0.0550 W/mK	
Compressibility $c = dL - dB$ of 200 mm	Does not exceed 4.4mm	
Compressibility (difference between dL and dF)	at 5 kPa (500 kg/m ²) 0.5 mm	
Spot load	646 N	
Dry raw material density	DMD 145 kg/m ³	
Fresh mortar bulk density	FMD 160 kg/m ³	
Nominal bulk density	LD 120 kg/m ³	
Water absorption	Does not exceed 2 kg/m ²	
Dynamic rigidity at 50 mm	134 MN/m ³	
Mass-related moisture content	u23.50 = 0.013 kg/kg - u23.80 = 0.032 kg/kg	

10. The performance of the product as per Items 1 and 2 matches the declared performance according to Item 9.

Responsibility for the production of this Declaration of Performance in accordance with Regulation (EU) No. 305/2011 is held solely by the manufacturer as per Item 4.

Signed for and on behalf of the manufacturer by:

Spital, 26/05/2017

Alois Edler, CEO, ThermoWhite GmbH