

# Declaration of Performance

Reference number 13 - TW/WD - 100

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 100R**

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-12/0428 in German)**

9. Declared performance of construction product:

Essential features	Performance	Harmonised tech. specifications
Fire behaviour to EURO CLASS	E	ETA 12/0428
Content and/or release of hazardous substances	Chrome VI amounts to $\leq 2$ mg Cr(VI)/kg.	
HBCDD	0%	
Water vapour permeability	$\mu = 5.0$ min., $\mu = 10.0$ max.	
Compressive stress with 10% compression $\geq 50$ mm	At least CS (10)50 50kPa	
Compressive stress with 10% compression $\geq 100$ mm	At least CS (10)70 70kPa	
Creepage deformation/Overall compression	$\epsilon_{c10a} = 2.23\%$ / $\epsilon_{10a} = 3.1\%$	
Rated thermal conductivity	$\lambda$ (10, dry, 90/90) 0.0464 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 <sup>2</sup> ) 0.5 mm	
Spot load	550 N	
Dry raw material density	DMD 110 kg/m <sup>3</sup>	
Fresh mortar bulk density	FMD 130 kg/m <sup>3</sup>	
Nominal bulk density	LD 82 kg/m <sup>3</sup>	
Water absorption	Does not exceed 2 kg/m <sup>2</sup>	
Impact noise reduction (to EN ISO 717-2)	25 dB	
Dynamic rigidity at 50 mm	76MN/m <sup>3</sup>	
Mass-related moisture content	<b>u23.50</b> = 0.013 kg/kg - <b>u23.80</b> = 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