

Technical datasheet

ThermoWhite BEPS WD 70 R (R/N)



Mineral-bonded thermal and impact sound insulation for normal loads.

Designation code:

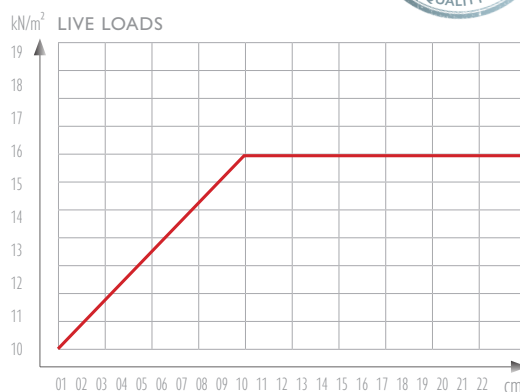
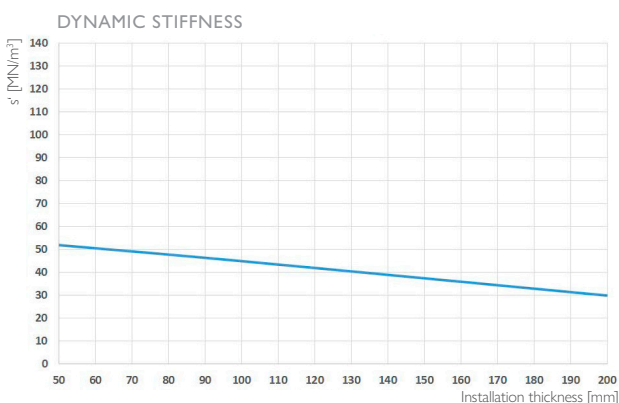
BEPS-WD 70 R (RN)-PS(0-8)R-LD70-FMD102-DMD90-MU6-CS(10/70-CC(1,2/0,5/10)10-DLT(1)5

90%-Fractile value of thermal conductivity (dry)	$\lambda_{10 \text{ dry, 90/90}}$	0,045 W/mK
Design value of thermal conductivity	λ_R	0,047 W/mK
Bulk density of EPS dry mortar	LD	70 kg/m ³
Density of fresh mortar	FMD	100 kg/m ³
Dry bulk density	DMD	88 kg/m ³
Creep behavior 10 years at 10 kPa	CC	≤ 1,2%
Compressive stress at 10 % deformation (at 50 mm)	CS (10)50	min. 50 kPa
Dimensional stability under compressive and temperature stresses	DLT (1)5	≤ 3%
Water vapour permeability	at 3 cm	$\mu \cdot d = \leq 6 \text{ m}$
Reaction to fire according to EUROCLASS***		E
Type and particle size group of EPS aggregate		50% 0 - 8 R / 50% 2 - 8 N
Water absorption during brief, partial immersion		≤ 2,0 kg/m ²
Addition of water each m ³		36 litre
Minimum thickness		35 mm
Compressibility under charge (Diff. between d_L and d_F)	with 5 kPa (500 kg/m ²)	0,5 mm
Processing time (open time, 20°/60 % LF)		min. 40 min
Processing temperature min/max		+5° / +35°C
walkable from		24 hours*
Ready for covering after (CM-measurement)		≤ 15 CM-%
On installed thickness to 200 mm (23°C /50 % LF)		approx. 2 days**
Compensation moisture on ÖNORM EN 12429		5,5 M%
Impact sound reduction (according to EN ISO 717-2)		25 dB

* depending on temperature and humidity.

** the data are to be understood as guide values. A CM measurement is required.

*** A thermal insulation material made of EPS can prevent the spread of fire in case of fire, however, it does not constitute a fire barrier."



17 ThermoWhite GmbH Pyhrn 3 4582 Spital am Pyhrn Österreich	
DoP-Nr.: 14 - TW/WD - 70 EAD 040635-00-1201	
ETA 17/0407 WD70R(RN) Dämmmaterial zur Wärme- und/oder Luftschalldämmung	
Wärmeleitfähigkeit: Dyn. Steifigkeit: Trocken-Rohdichte: Brandverhalten:	0,0444 W/mK 63 MN/m³ 88 kg/m³ E
www.thermowhite.com	

ThermoWhite GmbH
Pyhrn 3
A-4582 Spital am Pyhrn
Tel.: +43 (0) 7563/21 811