

Technical datasheet ThermoWhite BEPS WD 70 R (R/N)



Mineral bound thermal- and/or impact sound insulation for normal load under screed, for backfills, flat roofs and lofts.
Designation code: BEPS-WD 70 R-PS(0-8)R-LD70-FMD102-DMD90-MU6-CS(10/70)-CC(1,2/0,5/10)10-DLT(1)5

Thermal conductivity	$\lambda_{10 \text{ dry}, 90/90}$	0,042 W/mK
Bulk density of EPS dry mortar	LD	70 kg/m ³
Density of fresh mortar	FMD	102 kg/m ³
Dry bulk density	DMD	90 kg/m ³
Creep behaviour 10 years at 10 kPa	CC	≤ 1,2%
Compressive stress at 10 % deformation	CS (10)70	70kPa
Dimensional stability under specified temperature and humidity	DLT (1)5	≤ 3%
Water vapour permeability	at 3 cm	$\mu \cdot d = \leq 6 \text{ m}$
Reaction to fire (EN ISO 11925-2 ⁴ / EM 13501-1 ⁵)		E
Reaction to fire (ÖNORM B 3800 part 1)		B1/TR1/Q1
Type and particle size group of EPS aggregate		50% 0 - 8 R / 50% 3 - 8 N
Water absorption by short-term, partial immersion		≤ 2,0 kg/m ²
Addition of water each m ³		36 liter
Minimum thickness		35 mm
Traffic load	at 10 cm	16 kN/m ²
Compressibility „c“ (EN 12431)	with 50 kPa (5.000 kg/m ²)	3,6 mm
Compressibility under charge (Diff. between d_L and d_c)	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
Passable after		24 hours*
Ready for covering after (CM-measurement)		≤ 12 CM-%
On installed thickness to 200 mm (23°C /50 % LF)		ca. 2 days**
Compensation moisture on ÖNORM EN 12429		5,5 M%
Improvement of impact sound insulation (EN ISO 717-2)		23 dB

* depending to temperature and air moisture.

** the disclosure is a guide value. A CM-measurement is necessary.



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