

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



Thermal conductivity	$\lambda_{10 \text{ dry, } 90/90}$	0,0444 W/mK
Bulk density of EPS dry mortar	LD	70 kg/m <sup>3</sup>
Density of fresh mortar	FMD	102 kg/m <sup>3</sup>
Dry bulk density	DMD	90 kg/m <sup>3</sup>
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	$\mu^*d = \leq 6 \text{ m}$
Reaction to fire (EN ISO 11925-2 <sup>4</sup> / EM 13501-1 <sup>5</sup> )		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 <sup>2</sup>
Addition of water each m <sup>3</sup>		36 liter
Minimum thickness		35 mm
Traffic load	at 10 cm	16 kN/m <sup>2</sup>
Compressibility under charge (Diff. between $d_L$ and $d_p$ )	with 5 kPa (500 kg/m <sup>2</sup> )	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.

