

# Technical datasheet ThermoWhite BEPS WD 130 R



Mineral bound thermal- and/or impact sound insulation for higher load under screed.  
Designation code: BEPS-WD 130 R-PS(0-8)R-LD120-FMD160\_DMD145-MU6-CS(10/80-CC(1,2/0,5/10)10-DLT(1)5

Thermal conductivity	$\lambda_{10 \text{ dry}, 90/90}$	0,055 W/mK
Bulk density of EPS dry mortar	LD	120 kg/m <sup>3</sup>
Density of fresh mortar	FMD	160 kg/m <sup>3</sup>
Dry bulk density	DMD	145 kg/m <sup>3</sup>
Creep behaviour 10 years at 10 kPa	CC	≤ 1.2%
Compressive stress at 10 % deformation	CS (10)70	80kPa
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> / EN 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		0 - 8 R
Water absorption by short-term partial immersion		≤ 2,0 kg/m <sup>2</sup>
Addition of water each m <sup>3</sup>		45 liter
Minimum thickness		25 mm
Traffic load	at 10 cm	16 kN/m <sup>2</sup>
Compressibility „c“ (EN 12431)	mit 50 kPa (5.000 kg/m <sup>2</sup> )	2,3 mm
Compressibility under charge (Diff. zwischen d <sub>i</sub> und d <sub>f</sub> )	mit 5 kPa (500 kg/m <sup>2</sup> )	0,3 mm
Processing time (open time, 20°/60 % LF)		mind. 40 min
Processing temperature min/max		+5° / +35°C
Ready for covering after (CM-measurement)		≤ 12 CM-%
On installed thickness to 100 mm (23°C/50 % LF)		ca. 2 days**
On installed thickness to 200 mm (23°C /50 % LF)		ca. 5 days**
Compensation moisture on ÖNORM EN 12429		5,5 M%

\* depending to temperature and air moisture.

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



ThermoWhite GmbH

Pyhnm 3

A-4582 Spital am Pyhnm

Tel.: +43 (0) 7563/21 811

www.thermowhite.com