

STEPROCK PLUS

TECHNICAL LIST

PRODUCT DESCRIPTION	Stone wool boards for acoustic insulation of floating floors with cement and anhydrite screeds.
PRODUCT CODE	20-50 mm MW-EN 13162 T6-DS(70;-)-CP4-CS(10)20-SD*-WS-WL(P)-MU1
NORM	EN 13162:2012+A1:2015
CE CERTIFICATE	1023-CPR-1208 P

APPLICATION	- Acoustic insulation, applied in a single layer, for floating floors with cement or anhydrite screeds. - Acoustic insulation, applied in a single layer, in solutions with an additional thermal insulation layer of STEPROCK BASE, compatible with cement or anhydrite screeds. - Suitable for use on floors in load category A to C1 premises, in accordance with EN 1991-1-1.
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TECHNICAL PARAMETERS	Dynamic stiffness S_D [MN/m ³]				
	S_D	30	16	12	10
	thickness	20 mm	30 mm	40 mm	50 mm
	Thermal conductivity coefficient		$\lambda_D = 0,035 \text{ W/m}\cdot\text{K}$		
	Durability of thermal conductivity coefficient as a function of aging		$\lambda = 0,035 \text{ W/m}\cdot\text{K}$		
	Compressive stress at 10% deformation		CS(10) $\geq 20 \text{ kPa}$		
	Compressibility		$\leq 4 \text{ mm}$		
	Short-term water absorption		WS $\leq 1 \text{ kg/m}^2$		
	Long-term water absorption		WL(P) $\leq 3 \text{ kg/m}^2$		
	Dimensional stability at elevated temperature 70°C		DS(70,-) $\leq 1\%$		
	Water vapor permeability		MU1 $\mu = 1$		
	Reaction to fire class		A1 product		
	Durability of reaction to fire as a function of heat, weather conditions, aging, and degradation		A1 product		
	Characteristic self-weight load		1,20 kN/m ³		

OTHER TECHNICAL INFORMATION	Insulation layer 1	Insulation layer 2	type of screed ¹⁾	maximum load ²⁾ [kPa]
	STEPROCK PLUS	-	wet	3
	STEPROCK PLUS	STEPROCK BASE	wet	3
	Improvement of impact sound insulation on a reinforced concrete floor ³⁾			ΔL_w [dB]
		20 mm		29
		30 mm		30
		40 mm		33
		50 mm		33
	STEPROCK PLUS		wet screed 100 kg/m ²	

¹⁾ Cement or anhydrite substrate.

²⁾ Loads according to PN-EN 1991-1-1 standard.

³⁾ Based on laboratory tests on a reference floor in accordance with PN-EN ISO 10140-5.

length	width	thickness	thermal resistance R_D	boards in pack	m ² in pack	packs per pallet	m ² per pallet
[mm]	[mm]	[mm]	[m ² ·K/W]	[szt.]	[m ²]	[szt.]	[m ²]
1000	600	20	0,55	12	7,20	20	144,0
1000	600	30	0,85	10	6,00	16	96,0
1000	600	40	1,10	6	3,60	20	72,0
1000	600	50	1,40	4	2,40	24	57,6

The product is supplied exclusively on wooden pallets with dimensions 2000×1200 mm.

