

# STEPROCK SUPER

TECHNICAL LIST

<b>PRODUCT DESCRIPTION</b>	Stone wool boards for acoustic insulation of floating floors with cement and anhydrite screeds, as well as dry screeds made of wood-based boards, gypsum fiber boards, wood chip-cement boards, and fiber-cement boards.
<b>PRODUCT CODE</b>	20-50 mm MW-EN 13162 T7-DS(70;-)-CP2-CS(10)30-SD*-WS-WL(P)-MU1
<b>NORM</b>	EN 13162:2012+A1:2015
<b>CE CERTIFICATE</b>	1023-CPR-1208 P

- APPLICATION**
- Acoustic insulation, applied in a single layer, for floating floors with dry screeds.
  - Acoustic insulation, applied in a maximum of two layers, 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 and dry screeds.
  - Suitable for use on floors in load category A to D premises, in accordance with EN 1991-1-1.

<b>TECHNICAL PARAMETERS</b>	Dynamic stiffness $S_D$ [MN/m <sup>3</sup> ]	$S_D$	40	22	20	18
		thickness	20 mm	30 mm	40 mm	50 mm
	Thermal conductivity coefficient	$\lambda_D = 0,035$ W/m·K				
	Durability of thermal conductivity coefficient as a function of aging	$\lambda = 0,035$ W/m·K				
	Compressive stress at 10% deformation	CS(10) $\geq 30$ kPa				
	Compressibility	$\leq 2$ mm				
	Short-term water absorption	WS $\leq 1$ kg/m <sup>2</sup>				
	Long-term water absorption	WL(P) $\leq 3$ kg/m <sup>2</sup>				
	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	1,50 kN/m <sup>3</sup>				

	Insulation layer 1	Insulation layer 2	type of screed <sup>1)</sup>	maximum load <sup>2)</sup> [kPa]
		STEPROCK SUPER	-	wet
	STEPROCK SUPER	STEPROCK BASE	wet	5
	STEPROCK SUPER	STEPROCK SUPER	wet	2
	STEPROCK SUPER $\leq 40$ mm	-	dry	2
	STEPROCK SUPER $\leq 40$ mm	STEPROCK BASE	dry	2
<b>OTHER TECHNICAL INFORMATION</b>	Improvement of impact sound insulation on a reinforced concrete floor <sup>3)</sup>			$\Delta L_w$ [dB]
	STEPROCK SUPER	20 mm	wet screed: 100 kg/m <sup>2</sup>	27
			dry screed: fiber-gypsum boards 25 mm	26
			dry screed: OSB-3 boards T&G 2×15 mm	25
	STEPROCK SUPER	30 mm	wet screed: 100 kg/m <sup>2</sup>	29
			dry screed: fiber-gypsum boards 25 mm	30
			dry screed: OSB-3 boards T&G 2×15 mm	28
	STEPROCK SUPER	40 mm	wet screed: 100 kg/m <sup>2</sup>	31
		50 mm	wet screed: 100 kg/m <sup>2</sup>	32
	Improvement of impact sound insulation on a wooden floor <sup>4)</sup>			$\Delta L_w$ [dB]
	STEPROCK SUPER	30 mm	dry screed: fiber-gypsum boards 25 mm	15
			dry screed: OSB-3 boards T&G 2×15 mm	11
base ballast layer 100 kg/m <sup>2</sup> and dry screed: fiber-gypsum boards 25 mm			29	
STEPROCK SUPER	40 mm	dry screed: fiber-gypsum boards 25 mm	15	
		wet screed: 100 kg/m <sup>2</sup>	12	

<sup>1)</sup> wet screed, concrete or anhydrite, dry screed in the form of approved wood-based, fiber-gypsum, wood chip-cement, or fiber-cement boards.

<sup>2)</sup> loads according to PN-EN 1991-1-1 standard.

<sup>3)</sup> based on laboratory tests on a reference floor in accordance with PN-EN ISO 10140-5.

<sup>4)</sup> based on laboratory tests on a wooden reference floor (Type 2) in accordance with PN-EN ISO 10140-5.

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length	width	thickness	thermal resistance $R_D$	boards in pack	$m^2$ in pack	packs per pallet	$m^2$ per pallet
[mm]	[mm]	[mm]	[ $m^2 \cdot K/W$ ]	[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.