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Technical data sheet Superwand DS insulation panel

Product features

Application:
The **SUPERWAND DS** is used for internal insulation of exterior walls
The **SUPERWAND DS** can easily be processed and glued full-face on the wall using dispersion adhesive.
The **SUPERWAND DS** can be papered or tiled with the conventional products after smoothing and filling joints. Through the white surface, it is also particularly suitable for thin wallpaper and renovating mat.

Description:
Sandwich element with PUR - rigid foam core, cardboard layer on both sides (from cellulose pulp cardboard, polyethylene (PE), aluminium foil, tissue paper)

Formats:
1'250 x 800 x 10 mm, 1'250 x 800 x 20 mm

Behaviour to external influences:	Panel	With approval for building products
	Foam	no water absorption, only in cut cells
	Cover layer	Multilayer with aluminium foil
Chemical behaviour:	Foam	chemically inert, resistant to almost all solvents and adhesives
	Cover layer	resistant to humidity and commercially customary paints and adhesives

Thermal conductivity:
Measured thermal conductivity = 0,025 W/mK
Theoretical value after aging = 0,036 W/mK

Vapour diffusion resistance:
S_D = 550 m equiv. air space thickness

Temperature resistant:
permanent T_p = -20 to 100 °C
short-time T_s = up to 160 °C

Compliance with the following standards:
DIN EN 13 165 (from January 2004)
DIN 4102 B2, DIN EN 13 501-1(from January 2004)
DIN EN ISO 9001 1994-08

Technical values and tolerances

			Tolerance
Thickness:	10,0 mm	20,0 mm	± 0,6 mm
Volume weight:	45,0 kg/m³	45,0 kg/m³	± 5 kg/m³
Basis weight: (approx. values)	1'070 g/m²	1'475 g/m²	-
Fire performance:	B2	B2	
Measured U-value:	2,50 W/m²K	1,25 W/m²K	
Compression resistance at 10 % copression set:	0,38 N/mm²	0,42 N/mm²	± 0,03 N/mm²
Reset at 10% compression set:	~ 95 %	~ 95 %	-

All data are based on our knowledge and experience. It's intended as an advice without legally binding.

August 31th 2016