Sto Mineral Fibre Board 035

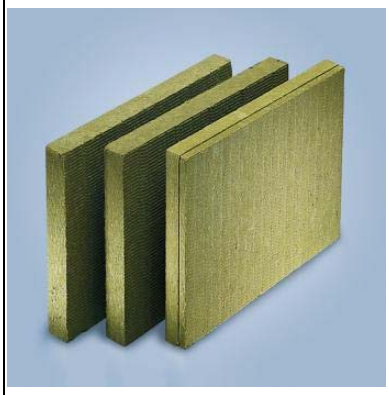
(Sto-Steinwolleplatte 035)

Mineral wool insulation board in accordance with DIN EN 13 162.
Fibre direction parallel to the wall surface.

Rev. INT.EN/044/10.2006

Characteristics	
Format	- 80 x 62,5 cm
Function	- Application type WAP-zg in accordance with DIN V 4108-10 - Non-combustible in accordance with DIN EN 13 501-1; Fire protection: Euro class A1 - Water vapour diffusion open
Areas of use	
Use	- For exterior use - As insulation board for StoTherm External Wall Insulation Systems
Restrictions	- Not for use in plinth and ground areas
Technical data	
Product group	01 004 010 Mineral wool insulation board
Composition	

Data



Criterion	Norm / Test prescript	Value	Units
Density	DIN EN 1602	105	kg/m³ (1
Transverse tensile strength	DIN EN 1607	> 0,015	N/mm² (2
Value of thermal conductivity λ		0,036	W/(m·K)
Water vapour diffusion μ value	DIN EN 12 086	1 - 1,2	
Compressional stress at 10 % deformation	DIN EN 826	> 0,040	N/mm² (2
Shear resistance	DIN EN 12 090	> 0,02	N/mm² (2
Shear modulus	DIN EN 12 090	> 1	N/mm² (2
Water absorption	DIN EN 1609	< 1	kg/m²

(1 g/cm³ = kg/dm³ = kg/l (2 N/mm² = MPa

The values stated are average values. Due to the use of natural raw materials in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability

Certificates / Norms / Approvals

ETA-04/0074	StoTherm Mineral 4 (adhered and dowelled), Insulation with Sto Mineral Fibre Board. European Technical Approval, EOTA - Bruxelles / CSTB - Paris
Z-33.43-61	StoTherm Mineral (adhered and dowelled), Insulation with Sto Mineral Fibre Board. General approval for use as a construction material, DIBt - Berlin

Application	
Substrate	The substrate must be level, load bearing, clean and dry.
Substrate preparation	In accordance with Sto application prescripts of the adhesives.

Consumption

Article	Type of application	Consumption
80 x 62,5 cm		1,0 m²/m² = 2,0 pcs/m²

Precise consumption values depend on project conditions.

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Application	Fixing: by means of manual / machine adhesive application to the insulation board. The are two adhesion methods: 1. Spot-edge adhesion (for substrates uneven to max 1 cm/m). Adhesive strip on the board edge, approx. 5 cm wide and min. 3 big adhesive dots in the board centre. 2. Whole surface adhesion (for level substrates only). The adhesion share with adhesive application onto the board: minimum 40 % of the board in adhered condition. With EWIS systems with ceramic cladding, an adhesive surface share of 60 % of the board must find itself in adhered condition. Apply boards with marked side facing wall. Apply insulation boards to the pre-treated substrate in masonry bond pattern, from bottom to top, correctly aligned, absolutely level, and tightly butt-jointed. Offsets should be avoided at board joints. Care should be taken that no adhesive mortar comes into contact with the board face and sides. Dovetail joints to the thickness of the board should be created at all building corners (staggered joints), and the plumb and building lines must be matched exactly when creating corners. The insulation boards installed with adhesive mortar must be additionally fixed using approved plate dowels, washer Ø 90 mm. The number of dowels required depends on the height of the building area to be insulated and the wall material (as well as the load-bearing capability of the dowels themselves). Additional dowels may be required around building edges. (For more details see corresponding german system approvals). Reinforcement: With manual / Machine application the reinforcement material should be applied in one step and subsequently smoothed level. Requirements with façade reveals: Cut insulation boards accordingly (notch) and apply comprehensively, as a continuation of the insulation board joints over the corners of the façade openings must be avoided. Board joints: All boards must be tightly buttjoined together. Any defects or open board butt joints must be filled with insulation material strips (in cases also with Sto Pistol Foam SE / Sto Filler Foam: with joint widths up to 5 mm). Building expansion joints: Expansion joints in the building must be taken up by the external wall insulation system using expansion joint profiles.

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Application (cont.)	Note: Insulation boards fixed to the façade must be protected against moisture and in the short term covered with reinforcement material. Damaged insulation boards must not be installed.		
Supply			
Product code and name	**Article**	**Thickness**	**Packaging**
	02717-007	6 cm	2,0 m²
	02717-001	8 cm	1,5 m²
	02717-002	10 cm	1,0 m²
	02717-003	12 cm	1,0 m²
	02717-004	14 cm	1,0 m²
	02717-005	16 cm	1,0 m²
	02717-006	18 cm	1,0 m²
	Also available: Sto Mineral Fibre Board 040, thickness 2, 3 and 4 cm for window reveal insulation Sto Mineral Fibre Board M 040 for track fixing system. For use at foundation/ground level we recommend Sto UHD Board EPS 30 (Sto-Sockelplatte).		
Storage			
Storage conditions	Store in dry conditions. Protect against moisture. Protect against direct sunlight.		
Storage life	-		
Environment			
Disposal	Waste key in accordance with the European Waste Catalogue: 17 06 04.		
Special notes			
GISBAU-code	-		
Revision No.	INT.EN/044		
Validity	12.10.2006		
	Uses not specifically discussed in this Technical Data Sheet may only take place after consultation with Sto AG.		
	This Technical Data Sheet is valid outside Germany, in all countries without Sto subsidiary.		

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Sto worldwide:

Austria Sto Ges.m.b.H. 9500 Villach	**Belgium** Sto nv/sa 1730 Asse	**Czech Republic** Sto s.r.o. 150 00 Praha	**Finland** Sto Finexter Oy 33720 Tampere	**France** Sto S.A.S. 95870 Bezons
Germany Sto AG 79780 Stühlingen	**Hungary** Sto Épitöanyag Kft. 2330 Dunaharaszti	**Italy** Sto Italia s.r.l. 50053 Empoli (FI)	**Netherlands** Sto Isoned bv 4004 KD Tiel	**Norway** Sto Norge A/S 0664 Oslo
Poland Sto-ispo Sp. z o.o. 03-872 Warszawa	**Russia** ooo Sto-Tikkurila 119361 Mockba	**Spain** Sto Ibérica S.L. 08302 Mataró	**Sweden** Sto Scandinavia AB 582 77 Linköping	**Switzerland** Sto AG 8172 Niederglatt
United Kingdom Sto Ltd. Paisley PA3 3BQ	**China** Shanghai Sto Ltd. Shanghai 200001	**Malaysia** Sto SEA Sdn. Bhd. 47100 Puchong, Selangor	**Singapore** Sto SEA Pte Ltd Singapore 575625	**USA** Sto Corp. Atlanta, Georgia 30336-5609