



SLP CS 25 / 30 / 50

Calcium silicate interior insulation board for thermal building renovations

Dimensions (length x breadth)	Availability			
	Quantity per pallet	96	80	48
	Size / Quantity	6 pcs	5 pcs	3 pcs
	Container code	01	01	01
	Art. no.			
1000 mm x 500 mm, thickness 25 mm (± 2 mm)	0273	■		
1000 mm x 500 mm, thickness 30 mm (± 2 mm)	0274		■	
1000 mm x 500 mm, thickness 50 mm (± 2 mm)	0275			■

Application rate	2 boards/m ²
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2 panels

1m²

Range of use	<ul style="list-style-type: none"> ■ Mould control and prevention in existing buildings ■ Implementation of the hygienic minimum heat insulation level in existing buildings ■ Improving the room climate by increasing the wall surface temperature
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Property profile	<ul style="list-style-type: none"> ■ Thermally insulating and mould inhibiting ■ Enables water vapour diffusion ■ Capillary-active ■ Free from quartz sands and quartz powders ■ Thermal conductivity (nominal value) approx. 0.07 W/(m*K) ■ Reaction to fire class A1 (non-combustible) ■ Low construction height
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Characteristic data of the product	Dry density	Approx. 300 kg/m ³
	Porosity	Approx. 85 vol%
	W ₈₀	220 kg/m ³
	W _{sat}	951 kg/m ³
	Thermal conductivity (λ _{10,dry,mat.})	Approx. 0.073 W/(m*K)
	[pk_anl_spezifische_waermekapazitaet]	1.03 kJ/(kgK)
	Aw value / water absorption coefficient	Approx. 77.4 kg/(m ² *h ^{0.5})
	Water vapour diffusion resistance coefficient μ	5
	Flexural strength	Approx. 1.1 N/mm ²
	Reaction to fire class	A1
	Compressive strength	Approx. 2.0 N/mm ²


The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Additional information	<ul style="list-style-type: none"> ➤ Value retention tips mould remediation systems ➤ Technischer Leitfaden Schimmelinstandsetzung
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- Possible system products**
- > SLP CS K (0276)
 - > SLP CS L (0277)
 - > SL Fill Q4 (0210)
 - > SLP Fix (0513)
 - > Color SL (0237)
 - > Tex 4/100 (3880)

- Preparation**
- **Substrate requirements**
The substrate must be clean and capable of bearing a load.
The substrate must be level.
 - **Substrate preparation**
Level off and even out highly uneven substrates – use SP Level to close up joints and even out surfaces.

- Directions**
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- Pre-wet the substrate.
Apply SLP Fix as a scratch coat on the rear face of the board and on the substrate.
Using a toothed spatula, apply SLP Fix wet-on-wet to the rear face of the panel and to the substrate.
Position and press on the boards from the bottom up.
Align using a floating rule.

- Tips on use**
- Mark the desired dimensions on the board.
 - Cut using a jigsaw or hand-held circular saw.
 - Rework the cut edges with a rasp or file if necessary.
 - Avoid cross joints.
 - Make sure that full-surface bonding is achieved.

- Notes**
- Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.
 - The relevant test certificates must be observed when planning and carrying out work.

- Tools / Cleaning**
- Cutter knife and keyhole saw



- Storage / Shelf life**
- Dry and frost-free.



- Disposal**
- The product must be disposed of in accordance with the official regulations.

- Declaration of performance**
- > **Declaration of performance**



Declaration of conformity



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Remmers GmbH

Bernhard-Remmers-Str. 13, D – 49624 Lönigen

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GBI-F 052-3

EN 14 306:2009+A1:2013 • ThIBell

0273 – 0275

Thermal insulation of building equipment and industrial plants

Reaction to fire class:	A1
Thermal conductivity (W/m*K):	200°C = 0.09
Dimensions (thickness + tolerance):	dD = 25 to 100 mm, +3 mm / -2mm
Durability of thermal resistance against high temperature; Maximum service temperature:	ST(+)1000 (≥1000 °C)
Durability of thermal resistance against ageing/degradation; Dimensional stability:	Δel<0.001%, Δeb<0.001%, Δed<0.001%
Compressive strength:	(CS10)2000 (≥ 2000 kPa)
pH value:	9.34
Water vapour diffusion resistance (μ):	5
Short term water absorption by partial immersion	43.8%
Release of dangerous substances to the indoor environment:	NPD

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.