

CL 58

Multi-Purpose Insulating-Board

Decoupling and thermal insulation board for under-tile laying and natural stones

CHARACTERISTICS

- ▶ highly pressure-resistant, traffic loads up to 5kN/m^2
- ▶ waterproof
- ▶ easy to apply
- ▶ footfall damping
- ▶ decoupling

Test certificate no. PB 4.2/07-002-3-3, MFPA Leipzig/Germany

SCOPE OF USE

Decoupling mat capable of absorbing shear stress under tiles and natural stone coverings on indoor walls and floors.

For use in domestic areas and commercial buildings, also with high traffic loads.

For bridging surface cracks and preventing damage caused by cracks which may form in the drying process of screed and concrete areas.

For bridging expansion joints in screed. Also suitable for damp and wet areas if used in conjunction with composite sealing systems (CL 50/51, CR 72).

Increases the efficiency of electric floor heating.

Can also be used for repairing worn-down steps.

4, 9 and 15 mm additional: Ideally suited for renovation work, e.g. for later installation of sound- and heat-insulating structures, also on flexural substrates such as wooden floor boards and chipboards.

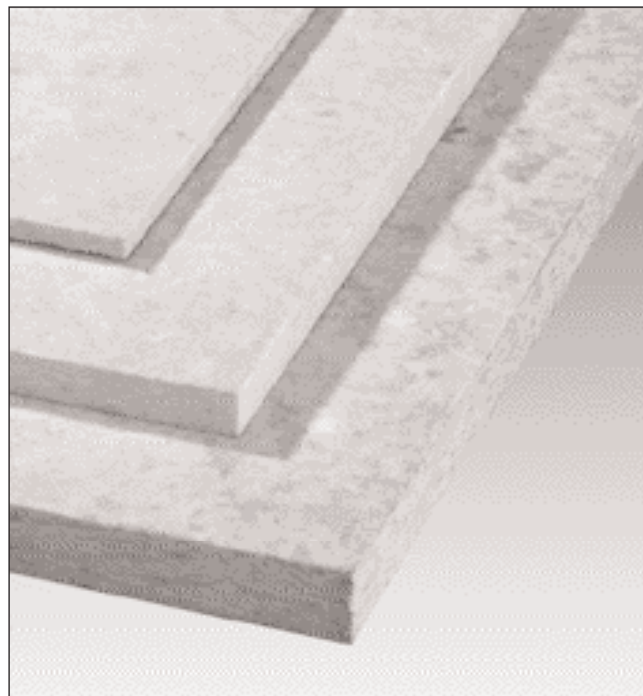
15 mm additional: Floating laying is also possible.

For thermal insulation on cellar floors.

For efficient footfall damping when converting lofts.

APPLICATION

The multi-purpose insulating boards are laid staggered, with an offset of half a board. On cross joints, the boards are butt-jointed. To avoid sound transmittance



and tensions on walls, stairs or pillars, leave edge joints of at least 5 mm. Install a perimeter insulating strip.

For cutting the boards use a hand saw or circular bench saw, equipped with a wood saw blade.

Smaller parts can be cut using a keyhole saw, equipped with a coarse wood saw blade.

CL 58 is fixed to the substrate with a suitable flexible tile adhesive such as CM 17, CM 117, CM 18, CM 90 or CM 25. Please prepare the substrate according to the instructions given in the Technical Information Sheet for the respective tile adhesive. Very uneven substrates must be levelled out with a suitable floor screeding compound, e.g. CN 72/73 or CN 75. Comb the tile adhesive onto the substrate using a trowel with notch grade 4/6 mm.

Place the boards into the fresh adhesive bed and press home. Depending on the adhesive used (see table), the boards are ready for foot traffic after a sufficiently long

drying time or can be covered with ceramic or natural stones.

Please observe the instructions given in the Technical Information Sheet of the respective tile adhesive.

Tile adhesive	Ready for foot traffic/covering after
CM 117	24 hrs
CM 18	12 hrs
CM 90	12 hrs
CM 19	6 hrs
CM 24	4 hrs
CM 25 (natural stones)	3 hrs

PLEASE NOTE

Use CL 58 only in dry conditions and at temperatures of +5 °C to +30 °C.

Please refer in particular to DIN 18 332, 18 157, 18 515 and the information sheets issued by the Central Association of the German Building Trade (ZDB). Observe the warnings-, safety- and waste advice given in the safety data sheet.

Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers
Phone: +49 211 797 0
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TECHNICAL DATA

Base:	plastic fibre		
Board size:	100 x 60 cm		
Board thickness:	4 mm, 9 mm, 15 mm		
Building material class:	B2		
For traffic loads up to:	5 kN/m ²		
	4 mm	9 mm	15 mm
Pressure resistance / N/mm ² (DIN 826):	590 kn/m ²	1330 kn/m ²	2190 kn/m ²
Weight kg/m ²	2.8	6.1	10.3
Heat transition coefficient U (DIN 52612):	21.50 W/m ² K	13.11 W/m ² K	10.41 W/m ² K
Improved footfall damping with tile covering	+ 9 dB bonded	+ 10 dB bonded	+ 11 dB, bonded + 19 dB, floating
Storage:	Store in a dry condition and horizontal position.		

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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