



Advanced
Pavement
Systems



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From Project to Jobsite

BS 46 – MASS

HYDRAULIC BINDER FOR PAVEMENT SLABS WITH COMPENSATED SHRINKAGE AND FAST DRYING PROPERTIES

Description BS 46 – MASS is a hydraulic binder which allows, when blended with sand of appropriate granular distribution, to produce concrete slabs with compensated shrinkage and fast drying properties.

Advantages and characteristics After 1 day already, very high mechanical resistance, and dimensional stability is obtained. After 1 day, the residual humidity is decreased to less than 3%, and after 3-5 days lower than 2 %.

Fields of use For the preparation of adhering or floating screeds allowing fast flooring operations even with materials like ceramic tiles, stone, parquets and suited to make screeds containing floor heating elements.

Method of use Mix in the concrete mixer (best is a mixer with vertical axes or double helical arms), adding gradually the mixing water till a hand-dry consistency is obtained (wet earth), homogeneously mixed and without powder or other lumps. Pour on the floor and spread by screeding bar.

Remark Information according to 2003/53/CE

- **Storage:** 12 months in the unopened original packaging, kept dry and protected at temperature between +5 °C and +35 °C.
- Do not use the content of damaged or already opened bags when they contain lumps.

Packaging 20 kg bag, pallet of 1000 kg.

Technical data (typical values)

Setting time	± 3 h at 20 °C	
Temperature of application	From +4 °C to +36 °C	
Advised dosage rate	200 Kg/m ³ sand 0-8 mm, for application of tiles 250 kg/m ³ sand 0-8 mm, for the application of parquet.	
Consistency of use	Dry earth consistency	
Advised screed thickness	40-80 mm	
Mixing water	Max 10 lt (with completely dry sand) for 20 kg bag	
Foot traffic	Accepted after ± 8 hours	
Waiting time before application of ceramic, terra cotta tiles :	About 1 day	
stones, parquet, floorcovering:	About 5 days	
Compressive strength	1 day	≥ 6,2 N/mm ²
	5 days	≥ 24,0 N/mm ²
	28 days	≥ 33,0 N/mm ²
Residual humidity after 24 h	≤ 3 %	
Residual humidity after 5 days	≤ 2 %	

Safety indications Read carefully the safety indications on the packaging, or consult the relevant Material Safety Datasheet of this product.

This information is based on our experiences and latest laboratory testing. The above information may be subject to modifications, which will be announced in the updated technical datasheets. Eventual changes to the information on top will be announced on www.tecnochem.it in which the technical datasheets are updated regularly and always the most updated can be found. Tecnochem Italiana cannot held responsible for poor results that are due to causes unconnected to the quality if the product or for defects deriving from factors different than the quality of the product including the wrong storage.

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