

## PRODUCT DATA SHEET

# SikaCeram<sup>®</sup>-50 MT

(formerly MTile 50)

Cementitious, general purpose tile adhesive

## DESCRIPTION

SikaCeram<sup>®</sup>-50 MT is a grey cementitious powder formulated as a high quality fixing adhesive for a wide range of applications.

## USES

This versatile, easy-to-handle, cement-based adhesive is perfect for fixing Ceramic wall and floor tiles, mosaic tiles and similar materials in internal applications. SikaCeram<sup>®</sup>-50 MT provides strong adhesion to cement/sand screeds, aerated concrete and brickwork.

## FEATURES

- Economical.
- High impact.
- Easy to use- just add water on site.
- High adhesive bond strength.
- For internal walls and floors
- Non-toxic.

## PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| <b>Composition</b>           | SikaCeram <sup>®</sup> -50 MT is a blend of Portland cement, graded sand and organic polymer.  |
| <b>Packaging</b>             | SikaCeram <sup>®</sup> -50 MT is available in 30kg bags.   |
| <b>Shelf life</b>            | Up to 12 months if stored in unopened containers according to manufacturer's instructions.   |
| <b>Storage conditions</b>    | Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. |
| <b>Appearance and colour</b> | Colour Grey  |
| <b>Density</b>               | Plastic density 1550 kg/m <sup>3</sup>   |

## APPLICATION INFORMATION

|   |   |
|---|---|
| <b>Consumption</b>                                      | Solid bed fixing: 3mm - 6mm depth 4.6kg - 9.3 kg/m <sup>2</sup><br>Notched trowel: smooth surface 1.7 kg/m <sup>2</sup> |
| <b>Consumption / Yield / Dosage (PRINT single line)</b> | 30kg bag mixed with 6.3 litres of water yields approximately 23.4 litres of mixed adhesive.                             |
| <b>Material temperature</b>                             | Service temperature -30°C - +100°C  |

**Mixing ratio**

30kg bag mixed with 6.3 litres of water

**BASIS OF PRODUCT DATA**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**LIMITATIONS OF USE**

Movement joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385. SikaCeram®-50 MT should not be used, unless modified with SikaCeram® A 200, on painted or metal surfaces, existing glazed tiled surfaces, or to bond non porous or high density ceramics such as glass mosaics. Tiles should not be soaked in water prior to application. Gypsum plaster boards and surfaces must be subjected to pre-treatment. Please consult Sika Technical Services for further advice. Do not apply SikaCeram®-50 MT greater than 8mm thickness on horizontal surfaces and 6mm on vertical surfaces.

**ECOLOGY, HEALTH AND SAFETY****REGULATION (EC) NO 1907/2006 - REACH**

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention.

**SURFACE PREPARATION**

All surfaces must be clean, dimensionally stable, sound and free from all traces of oil, grease, mould release agent and curing compound. It should be ensured that tiles are dry, and free of contaminants that could impair adhesion. Concrete, screeds, renders, and blockwork should be cured sufficiently that all shrinkage movement has occurred.

**MIXING**

Add SikaCeram®-50 MT to cool, clean water at the following rates: By weight 4.8:1 Volume 3.1:1 Mix to a uniform lump free consistency and allow standing for 5 minutes before use. Full bag volumes should ideally be mixed in a forced action mixer. Part bags should be mixed using a slow speed drill and mixing paddle.

**APPLICATION**

Apply SikaCeram®-50 MT to a uniform thickness of 3 to 6mm or sufficient to cover the studs or keys on the tile back; on a working area of not more than 1 m<sup>2</sup>. Solid bed fixing is recommended for all horizontal applications and for ceramic tiles. If preferred, SikaCeram®-50 MT can additionally be buttered on the backs of the tiles to ensure full adhesive contact. For all other vertical applications the adhesive bed should

be combed horizontally with a notched trowel to remove excess. Tiles should be dry and fixed by pressing into place with slight twisting motion, ensuring the tile back achieves full contact with the adhesive. Note: Do not apply over an area greater than that which can be covered within the open time of the product. Ceramic tiles should never be butt jointed. Leave a minimum of 2mm around tiles. Adjustments to tiles should only be made during the adhesives open time. Remove excess adhesive from the face of the tile with a damp sponge or cloth before it sets.

Similarly, joints must be raked out in readiness for grouting. Leave for a minimum of 24 hours before grouting. Select the appropriate grout for joint size and in service use from the SikaCeram® range.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### Product Data Sheet

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