

PRODUCT DATA SHEET

SikaCeram[®]-140 Rapid Set

Floor and wall tile adhesive

PRODUCT DESCRIPTION

SikaCeram[®]-140 Rapid Set is a rapid-setting, water resistant tile adhesive that is suitable for bonding ceramic and mosaic tiles to floors or walls, and suitable for both thick and thin bed applications. This product is ideal for when same day fixing is required and can be used internally or externally. Tiles can be grouted approx. 1-2 hours after fixing (subject to normal room temperatures). Suitable for application on most building substrates, including but not limited to, cement or concrete substrates, building blocks, brickwork, etc.

USES

- Interior and exterior applications.
- Securing floor and wall tiles to most surfaces.
- Heavy duty areas such as floors with heavy foot traffic.
- Tiling domestic, communal, and power showers.
- Areas subject to occasional wetting but not total immersion (e.g bathrooms, kitchens, domestic showers etc).

PRODUCT INFORMATION

Packaging	20 kg Bag
Shelf Life	9 Months from date of manufacture when stored correctly
Storage Conditions	Store unopened in original packaging, off the ground, in moderate (+5 to +30 °C), dry conditions and away from excessive draughts
Appearance / Colour	Grey Powder
Density	1.8 g/cm ³ (approx)

CHARACTERISTICS / ADVANTAGES

- Quick Drying 1-2 hours.
- Suitable for fixing most substrates including: ceramic, porcelain, natural stone, concrete, plasterboard, chipboard and timber.
- Suitable for both large and small format tiles.
- Water resistant, recommended for tiling domestic communal and power showers.
- Excellent adhesion properties.

APPROVALS / STANDARDS

Conforms to BS EN 12004 C1 FT

APPLICATION INFORMATION

Mixing Ratio	3 parts powder to 1 part water by volume 4 parts powder to 1 part water by weight
Consumption	Approx. 4 kg/m ² per mm thickness when applied as directed
Open Time	30 - 45 mins @ +20 °C

VALUE BASE

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

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete/Screeds/Renders

Allow fresh concrete etc to dry for at least 4 weeks before tiling. Prime surfaces with SikaBond® PVA+ diluted 3 parts water to 1 part PVA Bond and allow to dry.

Timber Floors/floorboards

Suitable for interior floors only. Ensure adequate ventilation beneath floors. Cover with boarding (plywood or chipboard) which must be at least 12 mm thick and be of moisture resistant grade. Secure with screws, not nails, at 150 mm centres. Prime with SikaBond® SBR+ at 1:3 dilution rate. Adhesive must be mixed with SikaBond® SBR+ diluted 1:1 with water.

Softwood tongue and groove boarding

Boards must be screwed down to joists at 300 mm centres and surfaces sealed with SikaBond SBR+ at 1:3 dilution. Adhesive must be mixed with neat SikaBond® SBR+ to ensure long term flexibility. Note: this will slightly retard the set.

Existing tiling

Ensure tiles are securely bonded to wall. Roughen surface of glazed tiles with sander. Apply a bonding coat of neat SikaBond® PVA+. Mix adhesive with SikaBond® SBR+ diluted 1:1 with water. Apply adhesive whilst bonding coat is still tacky.

MIXING

SikaCeram®-140 Rapid Set should be added to clean water. Mix approximately three parts by volume powder to 1 part by volume water (approx. 4 to 1 by weight) and mix to a slump free mortar. Al-

ways add powder to water.

APPLICATION

- Spread adhesive to a depth of 6 mm and comb to 3 mm to leave a solid bed with 3 mm ribs
- Work in an area no greater than 1 m² or equivalent to 20 minutes working time.
- Press the tiles firmly into place using a slight twisting action.
- Tile positions can be adjusted up to 20 minutes after initial fixing.
- Leave a grout joint of at least 3 mm, unless self spacing tiles are used.
- Surface adhesive should be cleaned from the faces of the tiles with a moist cloth. Rake excessive adhesive from within joints before setting takes place.
- The open time of the exposed adhesive bed is approx. 30-45 minutes depending on surface porosity and site conditions.
- Initial set will occur between 1-2 hours. This product will fully harden in approx. 24 hours. It is important the tiles are left undisturbed for a minimum of 2 hours after fixing at normal room temperatures.
- Do not use at temperatures below +4 °C.

GROUTING

- Allow 3-4 hours before grouting depending on site conditions or when tiles are sufficiently firm to accept light foot traffic.
- Follow the manufacturer's instructions for protecting and sealing the tiles before and after grouting.

CLEANING OF TOOLS

All equipment should be cleaned with water immediately after use.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

EVERBUILD BUILDING PRODUCTS LTD

Site 41, Knowsthorpe Way
Cross Green Industrial Estate
Leeds, LS9 0SW
Tel: 0113 240 3456
Web: www.everbuild.co.uk
Twitter: @everbuild

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited