

PRODUCT DATA SHEET

SikaCeram[®]-305 Fix&Grout

A ready-mixed, waterproof wall tile adhesive and grout

PRODUCT DESCRIPTION

SikaCeram[®]-305 Fix&Grout is a premium grade, waterproof, 2-in-1 wall tile adhesive and grout. It dries brilliant white, and also contains a powerful additive to retain whiteness. SikaCeram[®]-305 Fix&Grout comes as a ready-mixed paste and can be applied straight from the tub - no mixing, no mess.

USES

- Ideal for interior fixing of all types of ceramic wall tiles, including mosaic, porcelain and vitrified tiles.
- Particularly recommended for bathrooms and kitchens, power showers, multi-shower changing rooms, worktops, steam rooms, etc. or areas of frequent wetting but not total immersion.

CHARACTERISTICS / ADVANTAGES

- Excellent water resistance.
- Non slip, ideal for wall tiles.
- Extremely high bond strength - over double the B.S. minimum requirement in wet shear (7 days drying, 7 days water immersion followed by shearing whilst wet).
- Compressible - allows for slight thermal movement.
- Dries brilliant white.
- Contains a fungicide - to protect the product against mould growth.
- Ready mixed formula - no mixing, no mess. Apply straight from the tub.
- Easier to apply than most competitive adhesives.
- Extended open time.

APPROVALS / STANDARDS

Conforms to BS EN 12004 D2T.

PRODUCT INFORMATION

Packaging	0.75, 1.5 and 3.5kg pails
Appearance / Colour	Thick white paste (dries & stays brilliant white)
Shelf Life	Minimum 12 months when stored according to manufacturer's instructions.
Storage Conditions	Store at moderate (5°C to 30°C) temperatures. PROTECT FROM FROST.
Density	~1.7g/cm ³
pH-Value	8.5

TECHNICAL INFORMATION

Shear Adhesion Strength	9kN (wet shear)
Thermal Resistance	-30°C to 100°C.

APPLICATION INFORMATION

Consumption / Yield / Dosage (PRINT single line)	3.5kg will cover approximately 2m ² . 1.5kg will cover approximately 1m ² . 0.75kg will cover approximately 0.5m ² .
Layer Thickness	3-6mm
Ambient Air Temperature	5°C to 35°C
Open Time	~20 mins at 20°C
Curing Time	24-72 hours (depending on substrate).

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- **PLASTER** - new plaster must be a minimum of 4 weeks old before tiling. Tile onto finishing coat only. Prime with SikaBond® PVA+ diluted 1:3 with water.
- **PLASTERBOARD/PLYWOOD/CHIPBOARD** - must be braced with seasoned timber at 300mm vertically and horizontally. Use moisture resistant grades. All surfaces and edges must be sealed with SikaBond® SBR+ diluted 1:4 with water.
- **SAND/CEMENT SCREED** - allow at least four weeks drying before tiling. Use a mix design of 3-4 parts sand to 1 part cement. Prime with SikaBond® PVA+.
- **BRICKWORK/BLOCKWORK/CONCRETE BLOCK** - allow at least 4 weeks drying time before rendering or plastering. Do not fix directly to blockwork.
- **EXISTING GLAZED TILES/FORMICA** - roughen surfaces with abrasive sander and prime with SikaBond® PVA+ diluted 1:1 with water. Apply adhesive whilst still tacky. Allow at least 5 days before grouting.
- **PAINTED SURFACES** - not recommended for direct application to emulsion or limewash paints. Remove loose material and prime with SikaBond® PVA+ mix diluted 1:4 with water. For gloss paints, degrease and score with knife to provide key for adhesive. Allow at least five days drying before grouting.

APPLICATION

AS AN ADHESIVE

All surfaces should be clean, dry and free of dust and loose material before commencing. Refer to directions for specific surfaces. Surfaces to be tiled must be clean, dry and sound. Porous surfaces, including plaster, must be primed with SikaBond® PVA+ diluted 1:3 with water and allowed to dry before tiling. Allow new plaster to dry at least one month before tiling. Apply adhesive to wall at a depth of 3-6mm (no less than 3mm, no greater than 6mm) combing out an area of no greater than 1m² at a time. In dry situations, use a suitable notched trowel across the surface of the adhesive before placing the tiles into position and securing with a slight twist action to remove air voids. In areas subject to wet conditions, do not use a notched trowel. Bed the tiles directly into the surface of the adhesive and, again, secure with a slight twist action. In both situations, it is good practice to periodically remove a tile and check that at least 75% of the tile is covered in adhesive. If this is not the case, apply fresh adhesive and reposition. All surplus adhesive must be removed whilst adhesive is still wet using a dampened

cloth or sponge, particularly along grout lines.

AS A GROUT

Apply by squeegee or sponge, working well into joints. Ensure no voids remain. Suitable for joint widths up to 6mm. Allow adhesive to dry for 24- 72 hours before grouting depending on porosity. Allow grout to dry for 7 days before using shower areas/baths.

LIMITATIONS

- Unsuitable for floors.
- Do not use for swimming pools. Use SikaCeram® Rapid Set Tile Adhesive.
- Do not use externally. Use SikaCeram® Rapid Set Tile Adhesive.
- When used as a grout, allow to dry for 7 days before using showers/baths.

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.

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.

ECOLOGY, HEALTH AND SAFETY

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.

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.

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Product Data Sheet

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