

## PRODUCT DATA SHEET

# EVERBUILD® 705 Rapid Set Tile Adhesive

A fast setting adhesive for bonding ceramic tiles to floors and walls.

### PRODUCT DESCRIPTION

EVERBUILD® 705 Rapid Set Tile Adhesive is a cement-based polymer modified powdered tile adhesive with rapid setting properties, specifically designed for same day fixing and grouting of ceramic floor tiles. Suitable for internal and external use, and bonds to most building substrates such as concrete, cement screeds and render, timber, existing ceramic tiles, dense block work and unskimmed plasterboard.

### USES

- For securing floor and wall tiles to most surfaces.
- For heavy duty areas such as heavily walked floors.
- Recommended for tiling domestic, communal and power showers.
- Suitable for constant immersion e.g. swimming pools.
- May also be used for patching small areas in concrete/stone etc.

### CHARACTERISTICS / ADVANTAGES

- Rapid set - same day fixing and grouting.
- Internal/external use.
- Excellent water resistance.
- Extremely high bond strength.

### APPROVALS / STANDARDS

Conforms to BS EN 12004 C1FT

### PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Chemical Base</b>       | Cementitious  |
| <b>Packaging</b>           | 10 kg & 20 kg Paper Sack  |
| <b>Appearance / Colour</b> | Fine Grey Powder  |
| <b>Shelf Life</b>          | 9 months from date of manufacture when stored according to manufacturer's instructions. |
| <b>Storage Conditions</b>  | Store at moderate (5 - 30 °C) temperatures. PROTECT FROM FROST & DAMP.                  |
| <b>Density</b>             | 1.8 g/cm <sup>3</sup> (approx)  |
| <b>Service Temperature</b> | -30 °C to +100 °C   |

### APPLICATION INFORMATION

|                     |  |
|---------------------|--|
| <b>Mixing Ratio</b> | 3 parts powder to 1 part water by volume, approximately 4 parts powder |
|---------------------|--|

|                                |  |
|--------------------------------|--|
|                                | to 1 part water by weight              |
| <b>Consumption</b>             | Approximately 4 kg/m <sup>2</sup>      |
| <b>Layer Thickness</b>         | 6 mm and comb to 3 mm                  |
| <b>Ambient Air Temperature</b> | +5 °C to +35 °C                        |
| <b>Substrate Temperature</b>   | +5 °C to +35 °C                        |
| <b>Pot Life</b>                | 30 to 45 minutes                       |
| <b>Open Time</b>               | 30 - 45 mins @ 20 °C                   |
| <b>Curing Time</b>             | Initial Set: 1-2 hours; Final 24 hours |

## 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.

## LIMITATIONS

- Do not use directly onto gypsum plaster (risk of expansion and failure) Use EVERBUILD paste adhesives.
- Never add further water once the adhesive has been mixed. This will destroy the strength.
- Always mix with EVERBUILD® 503 SBR Bond when tiling on wooden floors/floors with movement.
- Do not walk on floors until adhesive has set (usually 1-2 hours depending on site conditions).
- Not recommended for use on glazed tiles and bricks, paint or metal surfaces.

## ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

### REGULATION (EC) NO 1907/2006 - REACH

## 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 Everbuild® 501 PVA Bond 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 Everbuild® 503 SBR Bond at 1:3 dilution rate. Adhesive must be mixed with Everbuild® 503 SBR Bond 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 Everbuild® 503 SBR Bond at 1:3 dilution. Adhesive must be mixed with neat Everbuild® 503 SBR Bond 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 with neat Everbuild® 501 PVA

Bond. Mix adhesive with Everbuild® 503 SBR Bond diluted 1:1 with water. Apply adhesive whilst bonding coat is still tacky.

### MIXING

All surfaces should be clean, dry and free of dust and loose material before commencing. Refer to above for specific surfaces. Always add powder to 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.

### APPLICATION

Spread adhesive to a depth of 6 mm and comb to 3 mm to leave a solid bed with 3 mm ribs. Secure tiles with a slight twist action to ensure no voids remain. Tiles should be fixed within 20 min of spreading depending on absorbency of substrate and temperature. Lightly touch the adhesive periodically and if a skin has formed, remove the adhesive and apply a new layer. It is good practice to periodically remove a tile and check that the adhesive covers a minimum of 75% of the tile. **Never** add further water once the adhesive has started to go off. This will destroy the bond strength. All surplus adhesive must be removed whilst the adhesive is still wet using a dampened cloth or sponge, particularly along the grout lines.

### CLEANING OF TOOLS

Clean all tools with water before the product sets

## 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 war-

ranty 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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