

PRODUCT DATA SHEET

TileSet 700 Universal

Standard-setting thin-bed tile adhesive.

PRODUCT DESCRIPTION

TileSet 700 Universal is a standard-setting universal floor and wall tile adhesive for bonding ceramic, porcelain and mosaic tiles to most building substrates in both interior and exterior locations, where extended opening time is required.

USES

Suitable for use:

- On internal and external applications
- Concrete
- Cement screeds
- Render
- Existing tiles
- Dense block work
- Unskimmed plasterboard

PRODUCT INFORMATION

Chemical Base	Cement, aggregates and specialist additives
Packaging	20 kg Bag.
Shelf Life	White: 12 months from date of manufacture Grey: 9 months from date of manufacture when stored as directed.
Storage Conditions	This product must be stored in unopened bags clear of the ground in cool dry conditions and protected from excessive draught. The use of this product after the end of declared storage period may increase the risk of an allergic reaction.
Appearance / Colour	White, Grey Powder.

APPLICATION INFORMATION

Consumption	Approximately 4 kg/m ² when applied as directed.
Pot Life	4-5 hours dependant on temperature and site conditions.

CHARACTERISTICS / ADVANTAGES

- Fully water resistant for interior and exterior use.
- Excellent non slip properties with extended 4 hour pot life.
- White colour particularly recommended when fixing light coloured natural stone such as marble and travertine.

APPROVALS / STANDARDS

EN 12004 C1T

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

- Always mix with clean fresh water and always prime/bond surfaces as directed.
- Never exceed the quantity of water stated. This will dramatically reduce strength and cause failure.
- Do not mix this tile adhesive when air or ground temperatures are forecast to be below 5 °C or above 35 °C during the first 24 hours after application.
- Do not apply to damp surfaces or when ambient temperature is persistently below 15 °C as this will increase drying process by several days.
- Do not mix more TileSet 700 Universal than can be laid in approximately 4 hours and never try to reconstitute once the product has set.
- Floors must be prepared as directed and free and all obvious movement before tiling.
- Existing concrete sub floors must be a minimum of 4 weeks old before overlaying with this product.
- Do not use for wall tiling onto gypsum based plaster. Use EVERBUILD® 701, 702 or 703 ready mixed tile adhesives.
- Do not use on painted surfaces. Remove paint first.
- Do not use over metal.
- Do not walk on floors until adhesive has fully set (approximately 24 hours normally).
- When used externally, do not apply when rain is imminent and protect from rain for at least 5 hours.
- Not recommended for application directly onto tongue and groove timber floorboards or floating plywood floors.
- Do not allow adhesive residues to set on the tile face.

As the manufacturer cannot know all the uses their products may be put to, it is the user's responsibility to determine suitability for use. If in doubt, contact Technical Services Department.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All surfaces must be clean, firm and free of dust, dirt, oil and loose flaking coatings. They must also be structurally sound and able to withstand the expected traffic loading.

Concrete/Screeds/Renders/unskimmed plaster-board/block work

Surfaces such as tamped concrete and masonry block-work, that are rough or uneven should be prepared with a suitable Everbuild® Febflor Self Levelling compound and allowed to fully cure for at least 24-48 hours before application.

Allow fresh concrete etc to dry for at least 4 weeks before

tiling.

Ensure floors are free from rising damp. Prime surfaces with Everbuild® 503 SBR Bond diluted 3 parts water to 1 part SBR Bond and allow to dry.

Cement Based Tile Backer Boards

TileSet 700 Universal can be applied to cement-based tile backer boards overlaid onto a fully rigid structure, such as well-braced 15 mm waterproof ply-board screw fixed at 300 mm centres to supporting battens.

MIXING

TileSet 700 Universal should be added to clean water. Mix approximately 1 part water to 3 parts powder by volume (20 kg powder to approximately 5 L of clean water) and mix to a slump free mortar. Never add further water once the adhesive has started to go off. This will destroy the bond strength. Always add powder to water.

APPLICATION

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

Use a notched trowel to give a ribbed mortar bed on the substrate, to which the tiles should be firmly bedded with a twist and slide action to ensure full contact.

- Use a 3 mm x 3 mm notch at 6 mm centres for mosaics and thin flat backed wall tiling.
- Use a 5 mm x 5 mm notch at 10 mm centres for general wall tiling.
- Use 10 mm x 10 mm notch at 16 mm centres for general floor tiling.

TileSet 700 Universal will remain workable for up to 4 hours 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.

All surplus adhesive must be removed whilst the adhesive is still wet using a dampened cloth or sponge, particularly along the grout lines.

Grouting may proceed as soon as the tile bed is sufficiently firm, which will be after 24 hours at room temperature. This period will, however, be extended in cold conditions.

When the adhesive is fully set, wall and floor joints can be grouted using Everbuild® 730 Universal Flexible Wall and Floor Tile Grout.

CLEANING OF TOOLS

Clean tools in water after use. Wash hands immediately after using this product.

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

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