BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic® WP 668

(formerly MTile WP 668)

Waterproof, flexible protective coating for use under all tile and natural stone coverings in internal wet areas

DESCRIPTION

Sikalastic® WP 668 is a single part acrylic resin based waterproofing, that provides a flexible protective coating, beneath ceramic tile and natural stone installations in wet areas.

USES

- Liquid area waterproofing to be applied by roller, brush or trowel.
- For indoor use.
- For walls and floors.
- For wet areas such as bathrooms, showers in residential buildings, hotels, old people's homes and hospitals
- On moisture-sensitive, absorbent substrates, e.g. plasters, plaster slabs, gypsum fibre boards, plaster boards, wooden chipboards, anhydrite screeds in moist and wet areas subject to usual domestic use.
- On absorbent mineral substrates, e.g. concrete, screed, render, aerated concrete, cementitious levelling compounds for walls and self levelling compounds such as SikaLevel® and SikaScreed®range.

CHARACTERISTICS / ADVANTAGES

- Waterproof and protects moisture-sensitive substrates
- Flexible, compensates tensions and minor deformations of the substrate, variations in temperature and vibrations
- Crack-bridging, high security even with subsequent cracks in the substrate
- Ready-to-use, easy to apply by roller, brush or trowel
- Two-coloured, for easier visual control of the layer thickness
- Resistant to lime water, ensures bonding between protective coating and mortar if the adhesive bed is constantly submerged in water
- Waterborne, no harmful risk to the environment, can be used without any risk to health

PRODUCT INFORMATION

Composition	Solvent-free synthetic resin dispersion
Packaging	25 kg plastic pail
Shelf Life	6 months from date of production
Storage Conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture.
Colour	Red and Grey
Density	~1.5 g/l (at 25 °C)

TECHNICAL INFORMATION

Tensile Adhesion Strength	≥ 1.5 N/mm² (on concrete)	(ASTM D 4541)

APPLICATION INFORMATION

Consumption	Minimum consumption at required dry layer thickness of 0.5 mm	~1.1 kg/m² (~0.76 l/m²)
	Note: Consumption depends on the substrate roughness and might increase. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc..	
Substrate Temperature	+5 °C min. / +40 °C max.	
Drying Time	1st coa	1–2 h
	2nd coat (ready for tiling)	1–2 h
	At +23 °C and 50 % relative humidity. Higher temperatures reduce, lower temperatures increase the times given.	

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.
- Internal Reference - Version: MBS_CC-UAE/MTile_WP668_10_06/v5/11_17/v6/09_19

LIMITATIONS OF USE

Not to be used in permanently immersed / pressurized conditions.

FURTHER INFORMATION

General Method Statement

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- The substrate must be sound, dry (cement screed 4 %, anhydrite pourable screed 0.5 %, measured with the CM meter), clean and free from oil, grease and other residues which should be removed by sand-blasting, brushing or shotblasting (Blastrac) if necessary.
- The surface shall be smooth and must not have any honeycombs, gaping cracks or ridges.
- Prime gypsum-based substrates and plaster boards beforehand with undiluted SikaCeram® P 302.
- Absorbent mineral substrates should be primed with SikaCeram® P 302, diluted 1 : 1 with water. The primers must have cured prior to the application of Sikalastic® WP 668.

APPLICATION

- Apply undiluted Sikalastic® WP 668 by roller (lambskin roller), brush (wall brush, float), or trowel to the substrate to cover the entire area.
- A minimum of two coats are required.
- Place SikaCeram® WP Tape over pipe culverts and floor drains, in corner joints and floor/wall junctions. Press SikaCeram® WP Tape into the first coat of Sikalastic® WP 668.
- Any projecting edges of the fabric are covered by the second coat.
- Any further coat is applied when the first coat is dry.
- For easier control of coverage, it is recommended to apply the first coat with Sikalastic® WP 668 red and the following coat(s) with Sikalastic® WP 668 grey.
- If the previous colour is visible, the thickness of the applied coat is too thin. This should be avoided.
- When Sikalastic® WP 668 has cured, tiles can be laid with the suitable adhesive (min. C2 class) on vertical and horizontal areas.
- Natural stone tiles should be laid with the relevant natural stone adhesive.
- When applied on floating screeds, it is recommended to leave at least 10 mm in the floor/wall connection treated with SikaCeram® WP Tape, free from Sikalastic® WP 668.
- If the surrounding area is sensitive to moisture, waterproofing should be applied also below and behind the shower base and bathtub.
- Any penetration through the waterproofing system should be treated as per the best industry practice, using gaskets and tapes. If in doubt, contact Sika Technical Service Department for recommendation.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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.

Sika Kimia Sdn. Bhd.
Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my