BUILDING TRUST

PRODUCT DATA SHEET

SikaCeram® T Latex

SYNTHETIC RUBBER LATEX TO IMPROVE ELASTIC PERFORMANCES OF CEMENT-BASED ADHESIVES AND MORTARS.

DESCRIPTION

SikaCeram® T Latex is a water emulsion to be used instead of mixing water to be mixed with mortar or cement-based adhesives to improve the performance of adhesion, deformability, etc. Suitable mortars to be mixed with are SikaCeram®-100 Basic or SikaCeram®-230 Mosaic.

USES

Cement-based adhesives mixed with SikaCeram® T Latex achieve high-performance elastic features ideal in laying:
- All kind of ceramic and natural stones in large size.
- On old ceramic or stone flooring, even outdoor.
- In environments subject to thermal stress, such as heating floors and facade.
- On cement- or acrylic- based waterproofing.
- On gypsum-board.

SikaCeram® T Latex can be also used in the following cases:
- Adhesives for glass mosaic on net backing, applied in swimming pools.
- Flexible mortars to fix or level walls and floors
- High-performance screeds
- Adhesive slurries
- Render coats for plastering

CHARACTERISTICS / ADVANTAGES

- High elastic performance
- High adhesion performance

PRODUCT INFORMATION

Chemical Base	SikaCeram® T Latex is a water emulsion of synthetic resins and specific additives.
Packaging	5 kg bottle
Appearance / Colour	White liquid emulsion
Shelf Life	12 months from date of production.
Storage Conditions	Undamaged original sealed packaging, in dry cooled conditions.
Density	~ 1,04 kg/L
pH-Value	7,5

Tensile Adhesion Strength

The following values in this chapter show, as example, the performances of SikaCeram® -100 Basic mixed with SikaCeram® T Latex.

	Value	
Initial Tensile Bond	≥ 1,0 N/mm²	(EN 1348)
Tensile Bond after Heat Action	≥ 1,0 N/mm²	
Tensile Bond after water immersion	≥1,0 N/mm²	
Tensile Bond after Freeze/thaw cycles	≥1,0 N/mm²	

	Value	
Deformability	≥ 5 mm	(EN 12002)

APPLICATION INFORMATION

Recommended Dosage

Pure or in diluted solution, SikaCeram® T Latex replaces the water requested from the cementicious mortars to be mixed. Consult relevant Data Sheet.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- Substrates must be properly cured, structurally sound, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, cement laitance or efflorescence.
- Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as water-jet washing or blastcleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.
- Any small surface defects and variations in level, profile, or around exposed aggregates for example, can be prefilled and levelled with an additional layer of SikaCeram® T Latex mix with SikaCeram® tile adhesive, to a maximum thickness of 5 mm, applied at least 24 h before the ceramic tiling is laid. For larger and thicker areas of surface reprofiling and making good, appropriate mortars from the Sika MonoTop® or Sikafloor® Level range should be used. Cracks in substrates must be identified and sealed appropriately e.g. with Sikadur epoxy resins.
- When laying tiles on non-absorbent or substrates with limited absorbency, such as existing ceramic tiles, painted surfaces etc., check to confirm that these surfaces are all firmly and securely bonded and stable, then use suitable degreasing/descaling products to thoroughly and completely clean the surface.
- For applications in hot climates / environments and / or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to the product application, but avoid any ponding / standing water on the surface, which must not be damp to touch and not with a dark-matt / wet surface appearance i.e. it must be saturated surface dry (SSD).

APPLICATION METHOD / TOOLS

General applications:
Follow the instructions of the mortar or tile adhesive which the latex has been mixed to, as indicated in their relevant PDS.

With tile adhesives for glass mosaic on net backing, applied in swimming pools:
Dilute SikaCeram® T Latex with water in 1:1 volume ratio. Blend SikaCeram® -230 Mosaic into the obtained mixture. The resulting product provides an extremely tenacious bond and is highly flexible while maintaining the creamy consistency obtained when only water is used for mixing.

Flexible levelling paste:
Mix the mortar with SikaCeram® T Latex, pouring the powder into the latex. Recommended for use on surfaces exposed to considerable temperature variations, or on cracked concrete.
The surface must be levelled in two coats, the second applied 24 hours after the first and in layers up to 3 mm thick. In case of cracked concrete, it is advisable to apply fiberglass netting. Finish the surface by sponge or metallic flat trowel.

Thoroughly clean all tools and equipments with water before the product has set, preferably immediately after use. Once hardened it can only be removed by mechanical means.

LIMITATIONS

- Gypsum-based substrates must have a maximum moisture content of 0.5%. The specific utilization of Sika Primer-11W is not mandatory, although suggested.
- For any natural stones tiles always carry out a small test application first.

SikaCeram® T Latex shall not be applied on the following cases:
- On metal and wood surfaces.
- With products containing only lime as binder.
- For all cases not explicitly described.

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.

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.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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