

Product Data Sheet
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Sika® Ceram Grey

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Ready to use tile adhesive for vitrified and mosaic tiles

Product Description	Sika® Ceram Grey is grey cement based ready to use, non shrink, self curing cementitious adhesive for bonding ceramic, vitrified, mosaic tiles, stone and marble etc on vertical and horizontal surfaces.
Uses	<ul style="list-style-type: none">■ Fixing Tile on Tile application■ For fixing vitrified, ceramic, mosaic and marble tiles on floor and wall surfaces.
Characteristics / Advantages	<ul style="list-style-type: none">■ Ready to use, only water to be added.■ Contains special chemicals to obtained non-shrink and excellent adhesion properties■ Better bond than conventional cement based mortar■ Fast setting and quick strength development■ Self curing■ Good mechanical strength■ Minimum thickness of 5 mm to be maintained using a notched trowel■ Suitable for fixing vitrified ,ceramic and mosaic, stone, marble tiles on wall and floor■ Must for fixing tile on existing tile without removal of old tiles■ After laying with Sika® Ceram Grey the newly laid floor can be used after 24 hrs

Product Data

Form

Appearance / Colours Grey powder

Packaging 30 kg bag

Storage

Storage Conditions / Shelf-Life 6 months from date of production if stored properly in original unopened, sealed and undamaged packaging in dry and cool conditions.

Technical Data

Chemical Base Cementitious mortar modified with polymers.

Bulk Density ~ 1.35 kg/l (at +27°C)

Layer Thickness 5 mm min

Standards IS 15477 Type 2 Adhesive



System Information

Application Details

Coverage	~4-5 kg powder required /sqm for 5 mm average thickness Approx. 60-75 sq ft is covered by a bag of 30kg for 5mm thickness depending on the substrate level.
Substrate Quality	The substrate must be structurally sound, laitance free, clean and free from dirt, oil, grease, other contaminants and loose or friable particles.
Substrate Preparation / Priming	Weak concrete and/or cement laitance must be removed. Repairs to the substrate, filling of blowholes/voids must be carried out using appropriate products from the Sika repair range of materials or with site produced mortar improved with Sika® Latex Power. Allow a waiting time of 24 to 48 hours before placing the tiles. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

Application Conditions / Limitations

Substrate Temperature	+5°C min. / +45°C max.
Ambient Temperature	+5°C min. / +45°C max.

Application Instructions

Mixing	Water : Powder = 0.22 to 0.24 by weight (6.6l to 7.2 l water per 30 kg bag)
Mixing Time	3 minutes minimum
Mixing Tools	Sika® Ceram Grey must be mechanically mixed using a forced action mixer or in a clean container using a drill and mixing paddle (< 500 rpm). A normal concrete mixer is not suitable. Mix thoroughly with clean water for a minimum of 3 minutes. Leave material to stand in container until the majority of bubbles have dispersed (minimum 5 minutes). Then remix the material for 15 seconds - the product is now ready for use.

Application Method / Tools	If the substrate is very porous, if the temperature is high and/or the relative humidity low, it is advisable to dampen the surface. Do not leave any standing water. If necessary the substrate must be levelled prior to application. If the level is still not good enough, suitable levelling mortar must be used. Mix thoroughly with clean water as per above mixing guideline Leave material to stand in container until the majority of bubbles have dispersed (minimum 5 minutes). Then remix the material for 15 seconds - the product is now ready for use. Sika® Ceram Grey is applied using a notched trowel onto the substrate. Choose the trowel that will give the right coverage to the back of the tile. As a guide: for mosaic and vitrified tiles, use a notched trowel to obtain a minimum 5 mm average thickness. Apply a uniform layer of Sika® Ceram Grey by trowel in small areas. Immediately, adjust the thickness using the notched trowel. Finally, place the tile, pressing it firmly onto the mortar in twisting action.
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Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.
Workable Time	~ 60 - 90 minutes at +27°C
Rectification Time	Once the tiles are set into the mortar, they can be adjusted for ~ 10 minutes (at +27°C).
Notes on Application / Limitations	<p>Cementitious substrates must be at least 28 days old.</p> <p>Do not exceed the recommended water dosage. Apply only to sound, prepared substrates. Do not exceed the maximum layer thickness.</p> <p>Plaster substrates must have a minimum thickness of 12.5 mm</p> <p>Protect freshly applied material from freezing and rain etc.</p> <p>Place tiles within 15 minutes of mixing and place firmly with twisting movement.</p> <p>Uneven surface may require more than 5 mm thickness.</p> <p>Use damp cloth to remove excess paste from the tile surface.</p>
Value Base	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.
Health and Safety Information	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.

