SIKA TILING SOLUTIONS

Construction technique and practice has gone under considerable change with the advent of modern products / material and architectural design. Before traditional technique of installing tiles and stones won’t be appropriate method in most of the scenario.

Sika Tiling adhesive give wings to your creativity by allowing you to experiment with different materials such as ceramic, porcelain, glass mosaic, vitrified, composite marble and natural stones for floors and wall coverings.

Sika Tile Adhesives are high performance adhesive manufactured as per international quality standards.
COMPANY PROFILE

The company had started its operations in 1985 as an Indian company and was known as Qualcrete India Limited. In 1987, Qualcrete India Limited forged an alliance with Sika AG, Switzerland and was renamed as Sika Qualcrete Limited.

In 2002, Sika AG, Switzerland acquired 100% stake in the company and since then the company has been rechristened as Sika India Pvt. Ltd. It is a wholly owned subsidiary of Sika AG.

Sika India has 8 branch offices and requisite strength of sales personnel spread across India to meet the varied needs of the market. It has 5 state-of-the-art manufacturing units at Kalyani (West Bengal), Jaipur Bagru / Manda - (Rajasthan), Kanchipuram (Tamil Nadu) and Jhagadia (Gujarat). Sika India also serves five export markets namely Sri Lanka, Nepal, Bhutan, Maldives and Bangladesh through a network of associates. Sika India is an ISO 9001-2008 & ISO 14001:2015 Company.
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<th>Description</th>
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</thead>
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<td>SikaCeram® 212 - Grey</td>
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</tr>
<tr>
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<td>Tile Adhesive Selector</td>
</tr>
</tbody>
</table>
SikaCeram® 155 - Grey

Ready to use Cementitious with No Vertical Slip Tile Adhesive for bonding Ceramic Tile. C1T classified according to EN 12004

**Features**

- Ready to use, only water to be added.
- Suitable for Fixing All types of Ceramic Tiles on Wall and Floor. Indoor and Outdoor.
- Maximum thickness of 10mm to be maintained using notched trowel.

**MECHANICAL/PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Requirement EN12004</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Tensile Bond (after 28 days)</td>
<td>1.0 N/mm²</td>
<td>≥ 0.5 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond After Heat Action</td>
<td>0.7 N/mm²</td>
<td>≥ 0.5 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond after water immersion</td>
<td>0.9 N/mm²</td>
<td>≥ 0.5 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>&lt; 0.5 mm</td>
<td>&lt; 0.5 mm</td>
<td>EN1308</td>
</tr>
</tbody>
</table>

*(At temperature of 23°C - 50% R.H.)*

**Compliance**

EN12004 - C1T

**Consumption**

As a guide, 1.2kg per square meter per mm of thickness

**Color**

Grey

**Pack Size**

25 kg bag
SikaCeram® 212 - Grey

Cement base Improved with No Vertical Slip Adhesive to lay Ceramic and medium sized Vitrified Tile. C2 T Classified according to EN 12004.

Features

- Ready to use, only water to be added.
- Suitable for Fixing Ceramic and Medium sized Vitrified Tiles on Wall and Floor, Indoor and Outdoor.
- Tile On Tile application in Interior area.
- Maximum thickness of 10mm to be maintained using notched trowel.

MECHANICAL/PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
<th>Requirement EN12004</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Tensile Bond</td>
<td>1.6 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond After Heat Action</td>
<td>1.2 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond after water immersion</td>
<td>1.3 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>&lt; 0.5 mm</td>
<td>&lt; 0.5 mm</td>
<td>EN1308</td>
</tr>
</tbody>
</table>

* (At temperature of 23°C - 50% R.H.)

Compliance        Color
EN12004 - C2 T    Grey
Consumption       Pack Size
As a guide, 1.2kg per square meter per mm of thickness 25 kg bag
SikaCeram® 255 - Grey and White

Cement base Improved with No vertical Slip and extended Open time Adhesive for fixing Vitrified Tiles and Natural Stones. C2 TE Classified according to EN 12004.

Features

- Ready to use, only water to be added.
- Suitable for Fixing Vitrified Tiles and Natural Stone on Wall and Floor. Indoor and Outdoor.
- Laying Marble and Natural Stone, provided not sensitive to water.
- Maximum thickness of 10mm to be maintained using notched trowel.
- Suitable for applications where high performance is demanded, such as swimming pools, industrial and heavy trafficked floors.

MECHANICAL/PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>Value (Grey)</th>
<th>Value (White)</th>
<th>Requirement EN12004</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Tensile Bond</td>
<td>1.9 N/mm²</td>
<td>1.8 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond After Heat Action</td>
<td>1.2 N/mm²</td>
<td>1.2 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond after water immersion</td>
<td>1.4 N/mm²</td>
<td>1.5 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>&lt; 0.5 mm</td>
<td>&lt; 0.5 mm</td>
<td>&lt; 0.5 mm</td>
<td>EN1308</td>
</tr>
</tbody>
</table>

*(At temperature of 23°C - 50% R.H.)*

**Compliance**
EN12004 - C2 TE

**Consumption**
As a guide, 1.2kg per square meter per mm of thickness.

**Color**
Grey & White

**Pack Size**
25 kg bag
SikaCeram® 288 H - Grey

Deformable, Cement base Improved adhesive with No vertical Slip and extended Open time to lay large sized Vitrified Tiles, Thin Tiles, Glass Mosaic and Natural Stone. C2 TE S1 Classified according to EN 12004.

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**Features**

- Ready to use, only water to be added.
- Laying all kind of Ceramic, Vitrified Tiles including large gres porcelain.
- Laying Marble and Natural Stone, provided not sensitive to water.
- It creates Deformable adhesive; Layers upto 15 mm thickness.
- Indoor and Outdoor on walls and floors.
- Laying on heated floors, water and electric systems.
- Suitable for applications where high performance is demanded, such as swimming pools, industrial and heavy trafficked floors, facades.

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**MECHANICAL/PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
<th>Requirement EN12004</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Tensile Bond</td>
<td>2.4 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond After Heat Action</td>
<td>2.1 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond after water immersion</td>
<td>2.2 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>&lt; 0.5 mm</td>
<td>&lt; 0.5 mm</td>
<td>EN1308</td>
</tr>
<tr>
<td>Transversal deformation</td>
<td>Inbetween 2.5 - 5mm</td>
<td>&gt; 2.5 mm</td>
<td>EN12002</td>
</tr>
</tbody>
</table>

*(At temperature of 23°C - 50% R.H.)*

**Compliance**
EN12004 - C2 TE S1

**Color**
Grey

**Consumption**
As a guide, 1.2kg per square meter per mm of thickness.

**Pack Size**
25 kg bag
SikaCeram® 288 H - White

Deformable, Cement base Improved adhesive with No vertical Slip and extended Open time to lay large sized Vitrified Tiles, Thin Tiles, Glass Mosaic and Natural Stone. C2 TE S1 Classified according to EN 12004.

Features

- Ready to use, only water to be added.
- Laying all kind of Ceramic, Vitrified Tiles including large gres porcelain.
- Laying Marble and Natural Stone, provided not sensitive to water.
- It creates Deformable adhesive; Layers upto 15 mm thickness.
- Indoor and Outdoor on walls and floors.
- Laying on heated floors, water and electric systems.
- Suitable for applications where high performance is demanded, such as swimming pools, industrial and heavy trafficked floors, facades.

MECHANICAL/PHYSICAL PROPERTIES

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<th>Requirement EN12004</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Tensile Bond</td>
<td>2.2 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond After Heat Action</td>
<td>1.4 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Tensile Bond after water immersion</td>
<td>1.7 N/mm²</td>
<td>≥ 1.0 N/mm²</td>
<td>EN1348</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>&lt; 0.5 mm</td>
<td>&lt; 0.5 mm</td>
<td>EN1308</td>
</tr>
<tr>
<td>Transversal deformation</td>
<td>Inbetween 2.5 - 5mm</td>
<td>&gt; 2.5 mm</td>
<td>EN12002</td>
</tr>
</tbody>
</table>

*(At temperature of 23°C- 50% R.H.)*

Compliance

EN12004 - C2 TE S1

Consumption

As a guide, 1.2kg per square meter per mm of thickness,
Universal high performance bicomponent PU adhesive. Particularly suitable for fixing natural stone and marble affected by damp. ALL 9000 contains elastomeric polyurethane resins, selected quartz mineral charges, specific additives.

**Features**

- Two-components (A+B).
- Optimum workability, no creep, high performance and extremely flexible.
- Fixing ceramic tiles of all types and sizes to difficult substrates or ones liable to warp considerably.
- Fixing natural stone affected by humidity, composite marble.
- Fixing vitreous mosaic.
- Fixing ceramic tiles to kitchen surfaces or work tops, to wood or iron surfaces.
- Fixing on heating screeds.

**Technical Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Requirement EN12004</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open time</td>
<td>120 min</td>
<td>20 min</td>
<td>EN 1346</td>
</tr>
<tr>
<td>Pot life (400 g)</td>
<td>160-180 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjustability</td>
<td>180 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor tiles can be grouted after</td>
<td>12 h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ready for use</td>
<td>7 days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creep on vertical wall</td>
<td>≤ 0.5 mm</td>
<td>&lt; 0.5 mm</td>
<td>EN 1308</td>
</tr>
<tr>
<td>Initial bond</td>
<td>3.2 N/mm²</td>
<td>&gt; 2 N/mm²</td>
<td>EN 12003</td>
</tr>
<tr>
<td>Bond after action of water</td>
<td>2.1 N/mm²</td>
<td>&gt; 2 N/mm²</td>
<td>EN 12003</td>
</tr>
<tr>
<td>Bond after thermal shock</td>
<td>2.2 N/mm²</td>
<td>&gt; 2 N/mm²</td>
<td>EN 12003</td>
</tr>
<tr>
<td>Flexibility</td>
<td>High</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal resistance from</td>
<td>-40°C to +120°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*(At temperature of 23°C-50% R.H.)*

**Compliance**

EN12004 - R2T

**Consumption**

Trowel 3x3 mm = 2.5 kg/m²
Trowel 6x6 mm = 3 kg /m²
(Consumption data refer to sole use of a trowel on flat substrates).

**Appearance**

CDMP A: viscous white paste
CDMP B: yellow liquid

**Pack Size**

5kg : 4.7kg (A) + 0.3kg (B)
10kg : 9.4kg (A) + 0.6kg (B)
SikaCeram® Tilogrout

SikaCeram® Tilogrout is Ready To Use High Polymerised Cementitious Coloured Tile Joint Filler.

**Features**
- Cementitious, only water to be added
  Useful for tile grouting joints of upto 6mm.
- Used for internal and external grouting of floors and also use in all types of Ceramic, Vitrified, Natural Stone AND Glass and Marble Mosaic.
- Available in Standard Sika Shades.
- Resistant to dust penetration
  Can withstand mild floor cleaning agents
  Excellent bond with tiles
  Easy to Clean.

**Colors Available**
- Chocolate, White, Jet Black, Dark Grey, Light Ivory,
- Dusty Grey, Turquoise Blue, Copper Brown,
- Burgandy, Sky Blue.

**Consumption**
\[
\frac{(A + B)}{(A \times B)} \times C \times D \times E = \text{Kg/m}^2
\]
(A = Tile Length (mm), B = Tile Width (mm), C = Joint size (mm), D = Tile Thickness (mm), E = Mix Density (kg/l))

**Pack Size**
- 1 kg and 5kg bag

SikaCeram® Tilogrout Plus

SikaCeram® Tilogrout Plus is Two Component Epoxy Based Grout For Joints 2-15 Mm Wide. RG Classified According To En 13888.

**Features**
- Very good workability in horizontal and vertical surface
  Easy application by trowel and Rubber Floater.
- Long Open Time (enough time to clean residues from tiles with water after application).
- Rapid hardening without cracking or shrinkage
  Waterproof and Impermeable liquids.
- High mechanical and good abrasion resistance.
  Good resistance to chemical attack.
  Resistance to steam cleaning.
  Stain Less and Colorfast.
- Useful for filling joints between Vitrified Tiles, Marble,
  Glass Mosaics and Stones.
- Available in various colors. It provides a smooth surface, Easy to Clean and Maintain.

**Colors Available**
- Chocolate, White, Jet Black, Dark Grey, Light Ivory,
- Dusty Grey, Turquoise Blue, Copper Brown, Burgandy, Sky Blue.

**Consumption**
\[
\frac{(A + B)}{(A \times B)} \times C \times D \times E = \text{Kg/m}^2
\]
(A = Tile Length (mm), B = Tile Width (mm), C = Joint size (mm), D = Tile Thickness (mm), E = Mix Density (kg/l))

**Compliance**
- EN13888 - RG

**Pack Size**
- (A + B) 5kg Bucket
  (1kg x 5 nos. pre packed)
SikaLatex® Power

Mortar and Slurry modifier cum bonding aid

Features

- Synthetic Rubber Emulsion which when added to cement mortar/concrete/grout provides good adhesion and water resistance.
- Rendering and Coatings
- Bonds rendering and coatings
- Bonding of Plaster works by bond-coat
- Improves elasticity, flexibility and tensile strength
- Easy to use, non-toxic & plasticising mortar

Consumption
As a bonding coat: 0.200 to 0.350 kg per m²

Pack Size
20kg, 50kg and 100kg container

Sikafloor® 80 Primer

Two Part water dispersed epoxy resin primer

Features

- As a primer and adhesion promoter on properly prepared.
- Easy and Fast to apply.
- Especially suitable for highly absorbent substrates.
- Water dispersed and adourless.

Consumption / Dosage
0.25 – 0.4 kg/m²/coat
(This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variation in level or wastage, etc.)

Mixing Ratio
Part A : Part B = 2.5 (by weight)

Appearance / Colours
Part A : White liquid
Part B : Translucent yellowish liquid
Mixed color : yellowish

Packaging
Part A : 1.6kg x 2 container
Part B : 4.0 kg x 2 container
Part A+ B : 5.6kg ready to mix nits
Sika® Tilo Clean

High Quality liquid and degreasing solutions for stain removal

Features

- For Cleaning and removing white / yellow stains from tiles and vitreous wash basin.
- High Quality liquid and decreasing solutions for fast removal of white / yellowish stain over tiles, cement stains, oil, Grease, moss and wax from terrazzo, tiles and vitreous wash basin which cannot be removed by ordinary detergent solution. It is ideal for interior and exterior use.
- Fast Acting.
- Easy to use.
- Ideas for Interior and Exterior use.

<table>
<thead>
<tr>
<th>Appearance/Colours</th>
<th>Coverage</th>
<th>Available Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greenish Yellow</td>
<td>Depend upon porosity &amp; contamination of substance</td>
<td>1 kg</td>
</tr>
</tbody>
</table>

Sikaflex® 11 FC

One part moisture curing, polyurethane adhesive sealant.

Features

- High Modulus Flexible Sealant.
- Use for Indoor and Outdoor application.
- Uses for joints in the construction industry, particularly where a higher modulus and lower movement capacity are required for joints with low or medium movement.
- Non Sag consistency.
- Movement Capability 15%.

Colors Available
Uniwite, Concrete grey, Black

Pack size
310ml cartridges (20 cartridges per box)

Consumption
For 10mm x 10mm joint will cover 3 m in 310ml cartridge
For 15mm x 15mm joint will cover 1.5m in 310 ml cartridge
Standard System for Tile & Stone Application

**Drywall for Wet Areas**
- Water Proofing: SilkaLatex® Power
- Waterproofing Tape: Silka® Seal Tape
- Tile Adhesive: SilkaCem® 200H
- Grout: SilkaCem® Tilegroat Plus
- Sealant: SilkaFlex® 11FC

**Facade System**
- Repair Mortar
- Adhesive: SilkaCem® 200H
- Grout: SilkaCem® Tilegroat / SilkaCem® Tilegroat Plus
- Sealant: SilkaFlex® 11FC

**Large Format Thin Tile**
- Surface Preparation: SilkaScrew
- Adhesive: SilkaCem® 200H
- Grout: SilkaCem® Tilegroat / SilkaCem® Tilegroat Plus
- Sealant: SilkaFlex® 11FC

**System for Marble, Granite & Other Natural Stone**
- Surface Preparation: SilkaScrew
- Adhesive: SilkaCem® 200H
- Grout: SilkaCem® Tilegroat / SilkaCem® Tilegroat Plus
- Sealant: SilkaFlex® 11FC

**Tiling in Swimming Pool**
- Repair Mortar
- Waterproofing: SilkaLatex® Power
- Waterproofing Tape: SilkaDur-Combiflex 5g System
- Adhesive: SilkaCem® 255 (WS) / SilkaCem® 204 (WS)
- Grout: SilkaCem® Tilegroat Plus
- Swimming Pool: SilkaFlex® 11FC

**Tiling for Wet Rooms**
- Surface Preparation: SilkaScrew
- Waterproofing: SilkaLatex® Power
- Waterproofing Tape: Silka® Seal Tape
- Adhesive: SilkaCem® 212
- Grout: SilkaCem® Tilegroat / SilkaCem® Tilegroat Plus
- Sealant: SilkaFlex® 11FC
## Tile Adhesive Selector

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>SikaCeram® 155</th>
<th>SikaCeram® 212</th>
<th>SikaCeram® 255</th>
<th>SikaCeram® 288 H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Grey</td>
<td>Grey</td>
<td>Grey / White</td>
<td>Grey / White</td>
</tr>
<tr>
<td>Class EN 12004</td>
<td>C1</td>
<td>C2</td>
<td>C2</td>
<td>C2</td>
</tr>
<tr>
<td>Slip Resistance (T)</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>Open Time (E)</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Deformability (S1)</td>
<td></td>
<td></td>
<td>✗</td>
<td></td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>15</td>
</tr>
<tr>
<td>Substrate (Interior)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cement based</td>
<td></td>
<td></td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>Anhydrite or Gypsum based</td>
<td></td>
<td></td>
<td></td>
<td>✗ with Primer</td>
</tr>
<tr>
<td>Old Vitrified Tiles</td>
<td></td>
<td></td>
<td></td>
<td>✗</td>
</tr>
<tr>
<td>Substrate (Exterior)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Cement based</td>
<td></td>
<td></td>
<td>✗</td>
<td>✗</td>
</tr>
</tbody>
</table>

### Application Areas
- Wet Room: ✗
- Swimming Pool: ✗
- Façade: ✗
- Heavy Traffic Areas: ✗

### Types of Tiles
- Absorbing Ceramic and Mosaic: ✗
- Non-Absorbing porcelain / stoneware, vitrified: ✗ for medium size
- Large Size Thin Tile: ✗
- Glass Mosaic: ✗
- Natural Stone (not sensitive to water): ✗

### Surface
- Floor: ✗
- Wall: ✗
Sika Solutions for Every Construction

Concrete  Waterproofing  Refurbishment
Flooring  Sealing & Bonding  Roofing

SIKA - THE CUSTOMISED SOLUTION PROVIDER

Sika’s innovative ideas and expertise in evolving quality products has been a hallmark in the history of construction chemicals. For over hundred years Sika is consistently serving the construction industry with its pioneering technology and commitment.