

TILING SYSTEM SOLUTIONS

TILING TO THE HIGHEST QUALITY

BUILDING TRUST





TILING TO THE HIGHEST QUALITY

From decorative tiled surfaces to highly functional tiled wall and floor finishes, tiling is one of the most popular surface finishing techniques that are used to enhance the appearance and functionality of all types of buildings and facilities. It is always crucial to select the right tile and the right tile installation system for each different area of each specific project. This should include the correct surface preparation, waterproofing and joint sealing solutions for each area and tile in order to ensure the right quality and durability. Sika has developed a comprehensive range of tile adhesives, tile grouts and useful ancillary products that are designed for use as integrated systems to achieve the optimum results.

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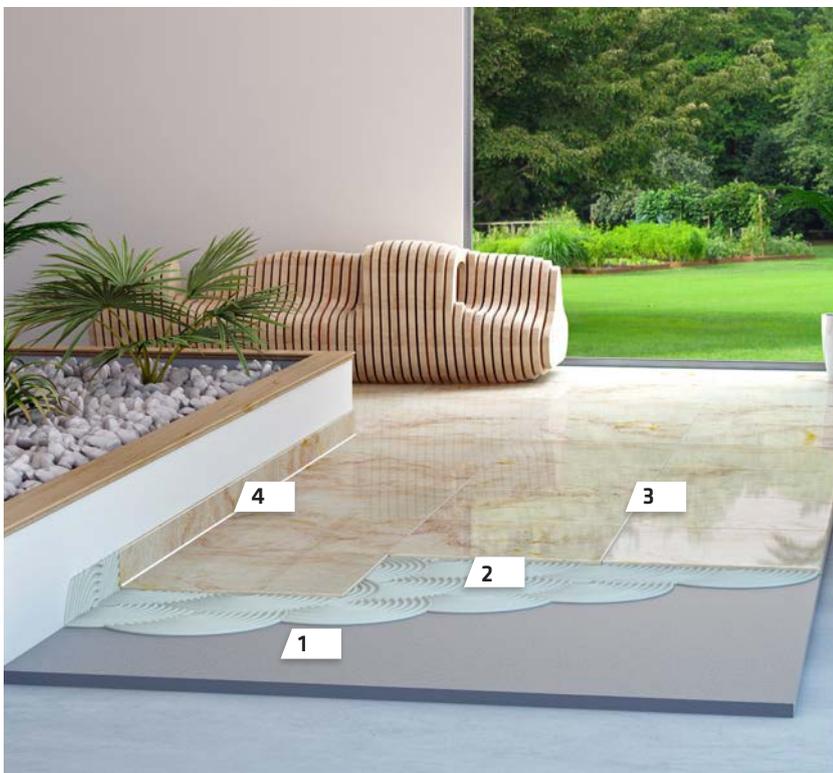


Larger ceramic and natural stone tiles create a seamless and contemporary look. But laying larger tiles successfully for the long-term, requires not only good skills but also advanced solutions that guarantee maximum reliability and performance.

TILING WITH LARGE-FORMAT CERAMIC

Sika tile installation systems provide: a flat surface that is achieved with levelling technology designed to avoid separation and imperfections, together with an excellent finish. This is easily achieved by the use of a new generation, high performance, highly deformable, cementitious adhesive with a high polymer content, which is applied in double spreading.

Then a flexible tile grout with low modulus and excellent mechanical strengths and high abrasion resistance is used, together with a high performance sealant for all potentially moving joints and connections.



1 SURFACE PREPARATION

SikaScreed-1

Premix product for screeds

SikaCeram T-Latex

Synthetic rubber latex

Sikafloor Level Pro

High performance self-levelling compound

Sikafloor Level Top

Cement based self-levelling compound

Sikafloor Level Ultra

High performance self-levelling compound

Sikafloor-01 Primer

Universal dispersion primer

SikaTile-015 NPP

Primer for use on existing tiles

2 TILE ADHESIVE

SikaCeram-255 StarFlex LD

Cement-based, deformable, low dust

SikaTile-405 Lite

Tile and stone adhesive with lightweight glass technology

SikaTile-440 Opti-Cure

Tile and stone adhesive with patented dust less technology

3 TILE GROUT

SikaCeram CleanGrout

Cementitious floor and wall tile grout

SikaCeram StarGrout

Epoxy-based tile grout for tile joints

4 SEALANT

Sikasil Color

Universal tile silicone



Porcelain tiles are highly durable ceramic tiles, as they are produced under higher pressures and temperatures to be extremely hard and non-absorbent. Therefore they are frequently selected by demanding project owners who value performance and reliability, both in residential and public areas.

TILING WITH PORCELAIN TILES

For these areas and exposure conditions it is necessary to use a tile installation system that is also able to meet these requirements and accommodate the high stresses. This means providing a suitable substrate with high compressive and tensile strengths. Sika installation systems achieve this with a new generation of polymer modified tile adhesives that are

specifically designed for bonding non-absorbent materials. Then finishing is with a flexible tile grout that also has a good mechanical strengths and high abrasion resistance. A high performance polyurethane based elastic sealant is used for any movement, isolation or connection joints that must be brought through the system.



1 SURFACE PREPARATION

SikaScreed-1

Premix product for screeds

SikaCeram T-Latex

Synthetic rubber latex

Sikafloor Level Pro

High performance self-levelling compound

Sikafloor Level Top

Cement based self-levelling compound

Sikafloor-01 Primer

Universal dispersion primer

SikaTile-015 NPP

Primer for use on existing tiles

2 TILE ADHESIVE

SikaCeram-255 StarFlex LD

Cement-based, deformable, low dust

Sikatile-405 Lite

A flexible, premium, sand and silica free, tile and stone adhesive with Lightweight glass technology for a smooth, easy to trowel application

SikaTile-440 Opti-Cure

Tile and stone adhesive with patented dust less technology

3 TILE GROUT

SikaCeram CleanGrout

Cementitious floor and wall tile grout

SikaCeram StarGrout

Epoxy-based tile grout for tile joints

4 SEALANT

Sikasil Color

Universal tile silicone

Sikaflex-11 FC Purform

Multipurpose fast curing polyurethane elastic adhesive and joint sealant



Drywall construction techniques and materials are the most widely used system to form the walls and ceilings in medical, hospitality, educational and urban housing developments today. There is also an increasing tendency to use 'dry' floor boarding systems, which are also considered to be a quick and easy underlayment for tiles.

TILING DRYWALLS IN DRY AREAS

Sika provides a full system for the secure installation of tiles on these substrates used traditionally now in dry areas, not regularly exposed to moisture. Firstly a primer is applied to seal the surface and prevent any gypsum contact with cement; then flexible dispersion on vertical application and cementitious tile adhesives with a high polymer content on

horizontal application; Then finishing is with a flexible tile grout that also has a good mechanical strengths and high abrasion resistance. Finally the system is completed with a high performance, antifungal, elastomeric movement and connection joint sealant.



1 SURFACE PREPARATION

Sika Primer-11 W +

Universal substrate primer for tile adhesives or levelling compounds

Sikafloor-01 Primer

Universal dispersion primer

Sikafloor-015 Prep n Prime

Primer for use on existing tiles

2 TILE ADHESIVE (WALL)

SikaCeram-255 StarFlex LD

Cement-based, deformable, low dust

Sikatile-405 Lite

A flexible, premium, sand and silica free, tile and stone adhesive with Lightweight glass technology for a smooth, easy to trowel application

3 TILE ADHESIVE (FLOOR AND/OR WALL)

SikaCeram-255 StarFlex LD

Cement-based, deformable, low dust

Sikatile-405 Lite

A flexible, premium, sand and silica free, tile and stone adhesive with Lightweight glass technology for a smooth, easy to trowel application

4 TILE GROUT

SikaCeram CleanGrout

Cementitious floor and wall tile grout

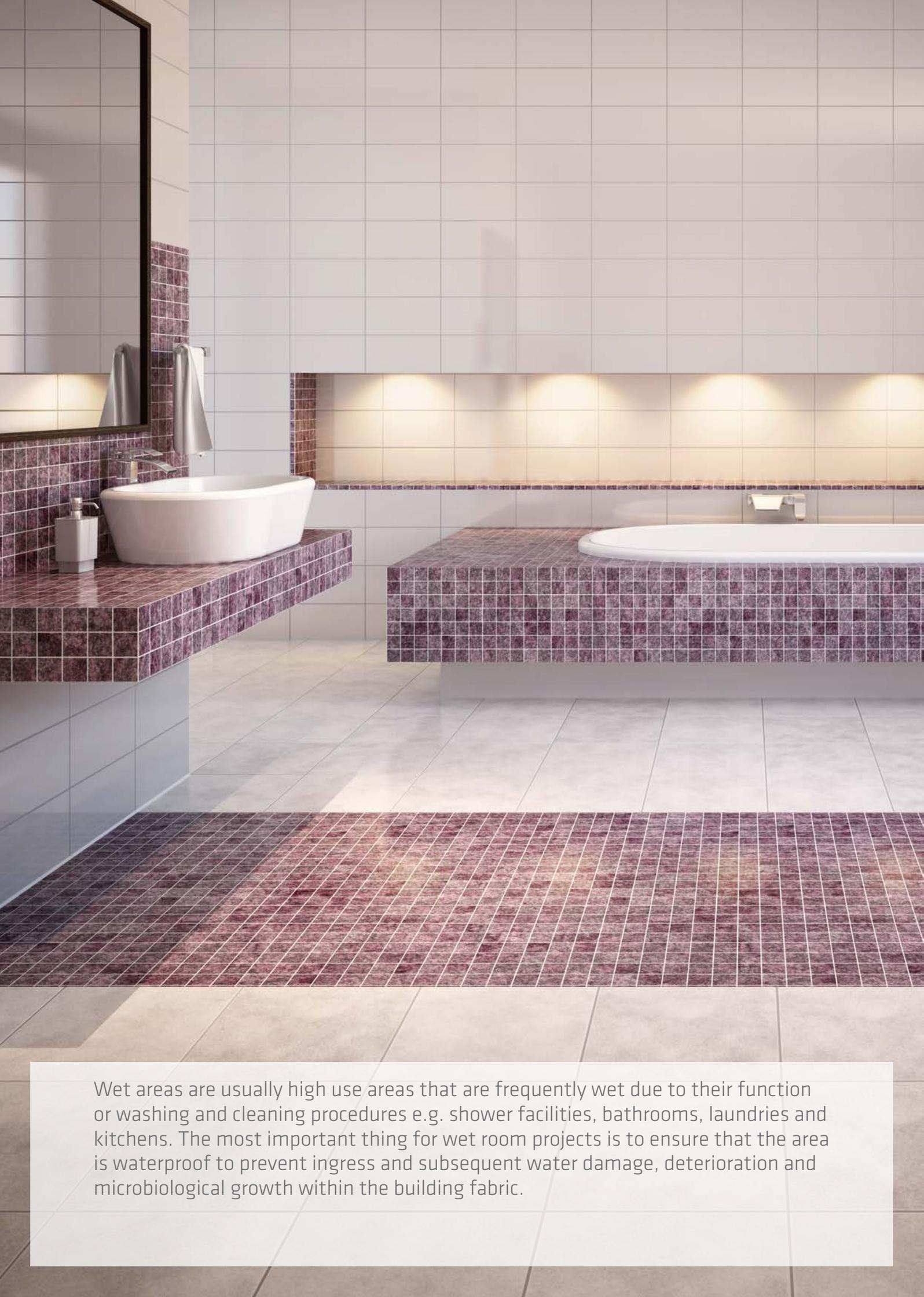
SikaCeram StarGrout

Epoxy-based tile grout for tile joints

5 SEALANT

Sikasil® Color

Universal tile silicone



Wet areas are usually high use areas that are frequently wet due to their function or washing and cleaning procedures e.g. shower facilities, bathrooms, laundries and kitchens. The most important thing for wet room projects is to ensure that the area is waterproof to prevent ingress and subsequent water damage, deterioration and microbiological growth within the building fabric.

TILING FOR WET ROOMS

Sika provides a complete integrated system to fulfill the very demanding requirements of these areas. Firstly the surfaces are made waterproof, with a is highly flexible and fiber-reinforced. Then a flexible cementitious adhesive with a high polymer content is used for the tile installation, which is followed by a

special highly deformable, waterproof, two- component, epoxy tile grout. This is designed to provide high chemical and abrasion resistance in the selected color shade. Finally, the system is completed with a high performance, antifungal, movement and connection joint sealant.



1 SURFACE PREP

SikaScreed-1

Premix product for screeds

SikaCeram T-Latex

Synthetic rubber latex

Sikafloor Level Pro

High performance self-levelling compound

Sikafloor-01 Primer

Universal dispersion primer

Sikafloor-015 Prep n Prime

Primer for use on existing tiles

2 WATERPROOFING MORTAR

Sikalastic-220 W

Liquid applied waterproofing membrane

Sikalastic-152

Cementitious flexible fibre-reinforced mortar

Sika Tite Undertile

Styrene Butadiene Rubber latex modified waterproofing membrane

SikaTile-110 Secure Proof

Water-based polyurethane waterproofing membrane

3 WATERPROOFING TAPE

SikaSeal Tape F

Sealing tape for crack bridging

SikaSeal Tape B

Self-adhesive sealing tape for compound seal

4 TILE ADHESIVE

SikaCeram-255 StarFlex LD

Cement-based, deformable, low dust

SikaTile-405 Lite

Tile and stone adhesive with lightweight glass technology

5 TILE GROUT

SikaCeram® CleanGrout

Cementitious floor and wall tile grout

SikaCeram® StarGrout

Epoxy-based tile grout for tile joints

6 SEALANT

Sikasil® Color

Universal tile silicone

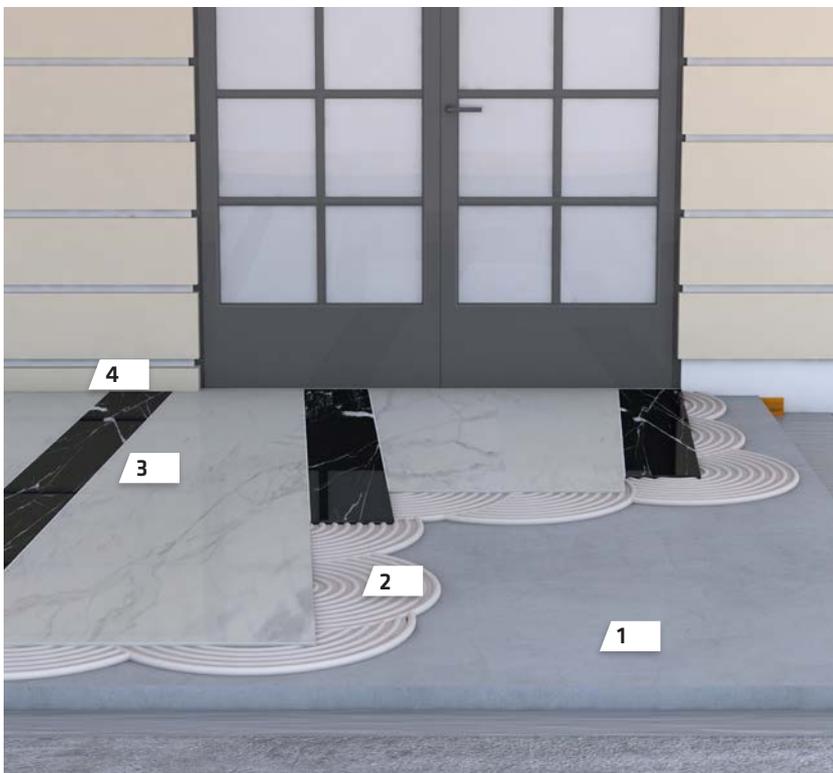


Natural stone tiles are one of the most timeless and elegant finishing materials that never goes out of style. Sika provides a complete installation system for marble, granite and other natural stone tiles, which is not sensitive to moisture.

TILING WITH MARBLE, GRANITE & OTHER NATURAL STONE TILES

This Sika system includes subfloor screeds made with a hydraulic binder that ensures high compressive and tensile strengths, plus rapid hardening with very low shrinkage, thus allowing installation of the tiles after only 24 - 48 hours. For these natural stone materials, the Sika system uses a new generation of flexible, cementitious tile adhesive, with a high

polymer content and low modulus that minimizes stress transfer. Finally, flexible, epoxy resin based grouts with high mechanical strengths and abrasion resistance are used, together with permanently elastic high performance non staining sealant for any moving joints and connections.



1 SURFACE PREPARATION

SikaScreed-1

Premix product for screeds

SikaCeram T-Latex

Synthetic rubber latex

SikaTile-010 Secure Prime

Multi-purpose primer with efflorescence inhibiting properties

2 TILE ADHESIVE

SikaCeram-255 StarFlex LD

Cement-based, deformable, low dust

3 TILE GROUT

SikaCeram CleanGrout

Cementitious floor and wall tile grout

SikaTile-440 Opti-Cure

Tile and stone adhesive with patented dust less technology

4 SEALANT

Sikasil Color

Universal tile silicone

Sikaflex-11 FC Purform

Multipurpose fast curing polyurethane elastic adhesive and joint sealant

Sikaflex AT-Facade

High-performance movement joint sealant

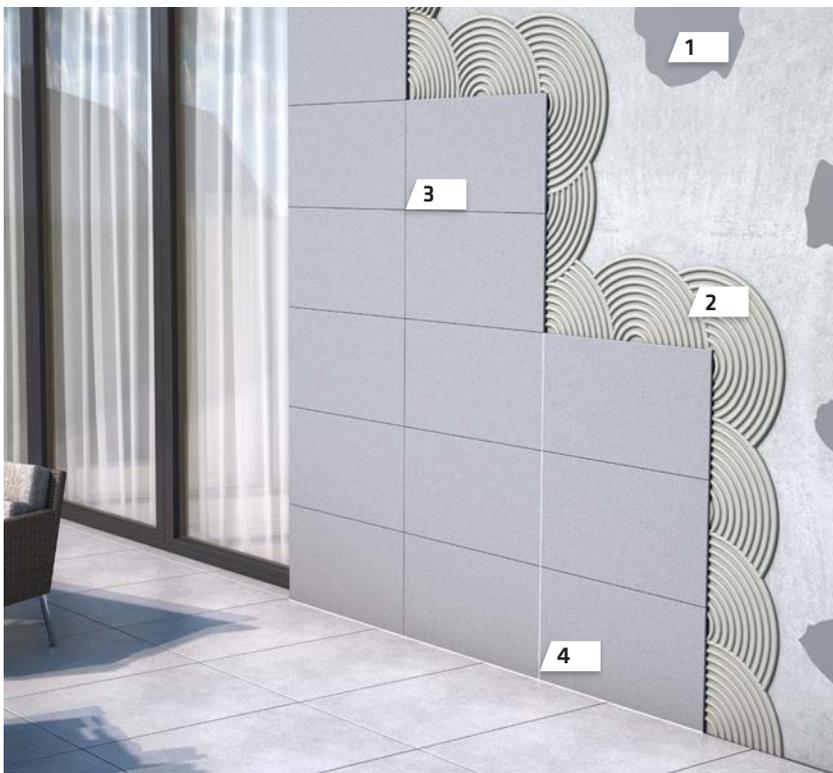


Installing tiles on building facades has long been considered as challenging and risky work. However, Sika has developed flexible tile adhesives and grouts that are capable of withstanding exposure to these demanding requirements, including accommodating the extreme weather conditions and the thermal movement of different facade materials.

TILING ON FACADES

Sika's cementitious tile adhesive for external facade tiling has a high polymer content to ensure accommodation of the thermal movement due to the wide and rapid temperature variations. Sika's special cement based tile grout for facades also has considerable flexibility, abrasion resistance and

high mechanical strengths. Finally, the joints and perimeter terminations are sealed with a high performance, elastic polyurethane based sealant, which is designed for joints that must accommodate high movement and also maintain good aesthetic appearance.



1 SURFACE PREPARATION

Sika MonoTop® range
Complete range of mortars

SikaTile-010 Secure Prime
Multi-purpose primer with efflorescence inhibiting properties

2 TILE ADHESIVE

SikaCeram®-255 StarFlex LD
Cement-based, deformable, low dust

SikaTile-405 Lite
A flexible, premium, sand and silica free, tile and stone adhesive with Lightweight glass technology for a smooth, easy to trowel application

3 TILE GROUT

SikaCeram® CleanGrout
Cementitious floor and wall tile grout

SikaCeram® StarGrout
Epoxy-based tile grout for tile joints

4 SEALANT

Sikaflex® AT-Facade
High-performance movement joint sealant

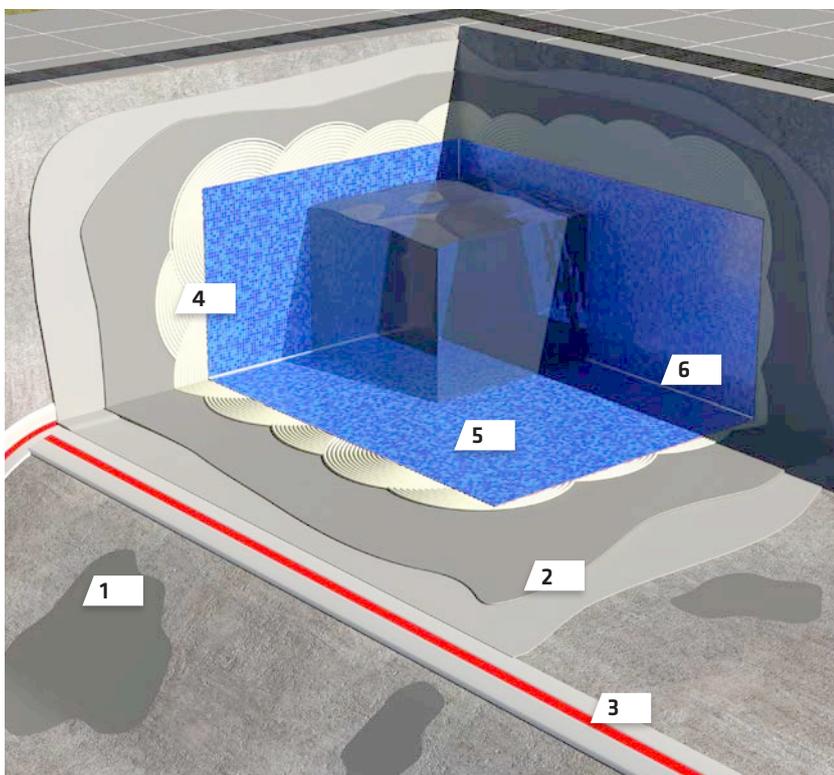


The installation of tiles in and around swimming pools has always been a critical application and Sika has extensive expertise and experience of providing the ideal solution with a complete system.

TILING IN AND AROUND SWIMMING POOLS

Firstly the substrate is prepared, made good and levelled with an appropriate cementitious repair mortar / surface smoothing mortar. Then Sika's polymer modified, fiber-reinforced, cementitious waterproofing mortar is applied in two layers, which ensures durable, long term waterproofing of the area. A special low modulus and highly flexible, cement based tile adhesive is then used, which is able to withstand thermal

shock on the substrate, as well as continuous immersion in an alkaline environment. An epoxy resin based grout with high mechanical and chemical resistance is applied, and finally any moving joints and connections are sealed with a high quality, flexible and chemically resistant, neutral curing silicone joint sealant.



- 1 SURFACE PREPARATION**
Sika MonoTop® range
Complete range of mortars
- 2 WATERPROOFING MORTAR**
Sikalastic®-152
Liquid applied waterproofing membrane
- 3 WATERPROOFING TAPE**
Sika® SealTape F
Sealing tape for crack bridging
Sika® Fibre Mesh-1000
Glass fibre mesh fabric
- 4 TILE ADHESIVE**
SikaCeram®-255 StarFlex LD
Cement-based, deformable, low dust
- 5 TILE GROUT**
SikaCeram® StarGrout
Epoxy-based tile grout for tile joints
- 6 SEALANT**
Sikasil® Pool
Neutral-curing silicone sealant

TILE ADHESIVES



NAME	SikaCeram-255 StarFlex LD Low dust emissions, highly deformable adhesive; C2TE S1 classified according to EN 12004.	SikaTile-405 Lite A flexible, premium, sand and silica free, tile and stone adhesive with Lightweight glass technology for a smooth, easy to trowel application	SikaTile-440 Opti-Cure A rapid setting tile and stone adhesive with patented dust less® technology
MAIN ADVANTAGES	<ul style="list-style-type: none"> ■ Low dust emissions ■ Deformable ■ No vertical slip ■ Extended open time ■ Frost proof ■ Applicable up to 15 mm thicknesses 	<ul style="list-style-type: none"> ■ Suitable for residential & commercial applications ■ Thin and thick-bed tiling applications up to 10mm thick ■ Under-tile heating systems ■ Sika approved acoustic reduction underlayments 	<ul style="list-style-type: none"> ■ Suitable Sika under tile waterproofing membranes ■ Under tile heating systems ■ Gypsum plasterboard (internal only) ■ Sika approved acoustic underlayments <p>*refer to board manufacture instructions for further</p>
USES	<p>Suitable for:</p> <ul style="list-style-type: none"> ■ All types of ceramic tiles ■ Thin, dense porcelain slabs ■ Marble and other porous natural stone <p>Can be used:</p> <ul style="list-style-type: none"> ■ Interior and exterior ■ On floors and walls ■ Over underfloor heating ■ On old tiles (interior) <p>Perfect for:</p> <ul style="list-style-type: none"> ■ Swimming pools, industry and heavily trafficked floors, exposed facades etc. 	<p>Suitable for:</p> <ul style="list-style-type: none"> ■ Concrete ■ Compressed cement boards* ■ Cement-based screeds and renders ■ Ceramic tile underlay / Fibre cement sheeting* ■ Existing ceramic tiles (primed with SikaTile-015 NPP) ■ Autoclaved aerated concrete / AAC 	<p>Suitable for:</p> <ul style="list-style-type: none"> ■ Ceramic and porcelain tiles ■ Glass tiles and mosaics ■ Natural Stone* including marble, granite, limestone, basalt etc ■ Agglomerates*, terrazzo* and man made stone* ■ Class A & B tested stone* in accordance with EN14617-12 <p>*Sika recommends conducting a site test to evaluate compatibility of the stone with the adhesive due to influences beyond Sika's control.</p>
PACKAGING	20 kg bag	13.5 kg bag	20 kg bag

TILE GROUTS



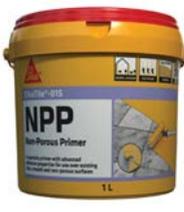
NAME	SikaCeram® CleanGrout	SikaCeram® StarGrout
MAIN ADVANTAGES	<p data-bbox="414 851 877 940">One-pack cementitious tile grout for joints from 1 to 8 mm width. CG2 WA classified according to EN 13888.</p> <ul data-bbox="414 952 877 1097" style="list-style-type: none"> ■ High resistance to abrasion ■ Mould resistant ■ Water-repellent ■ Frost proof ■ Stable colors 	<p data-bbox="901 851 1498 940">Two-pack tile grout, based on epoxy resin with quartz aggregates and special admixtures. RG classified according to EN 13888. Can be used as tile adhesive (R2T).</p> <ul data-bbox="901 952 1498 1097" style="list-style-type: none"> ■ High mechanical and chemical resistance ■ Excellent workability ■ Reduced odour ■ Easy to clean ■ Long-lasting finish
USES	<p data-bbox="414 1108 877 1142">Suitable for:</p> <ul data-bbox="414 1142 877 1232" style="list-style-type: none"> ■ All types of ceramic tiles ■ Glass mosaic ■ Marble and other porous natural stone <p data-bbox="414 1254 877 1288">Perfect for:</p> <ul data-bbox="414 1288 877 1377" style="list-style-type: none"> ■ Interior and exterior ■ Tanks ■ Swimming pools, etc. 	<p data-bbox="901 1108 1498 1142">Suitable for:</p> <ul data-bbox="901 1142 1498 1232" style="list-style-type: none"> ■ All types of ceramic tiles ■ Ceramic, glass, marble and wood mosaic ■ Marble and other porous natural stone <p data-bbox="901 1254 1498 1288">Perfect for:</p> <ul data-bbox="901 1288 1498 1411" style="list-style-type: none"> ■ Interior and exterior ■ Laboratories ■ Dairies ■ Spas and swimming pools, etc.
PACKAGING	5 kg and 2 kg bag	3 kg plastic bucket Component A and B
COLORS	25	10 Can be embellished with glitters

ANCILLARY PRODUCTS

SURFACE PREPARATION

PRODUCT	CHARACTERISTICS & ADVANTAGES	
	<p>Sikafloor-01 Primer Universal dispersion primer for use with cementitious levelling compounds Or tile adhesives.</p>	<ul style="list-style-type: none"> ■ One component, water-dispersed resin emulsion ■ Easy to dilute and use ■ Easy to control pinkish color ■ Easy to clean
	<p>SikaScreed-1 Shrinkage free, ready-to-use screed, just add water</p>	<ul style="list-style-type: none"> ■ Ideal where providing additional sand is a problem ■ No shrinkage ■ Very good finishing ■ Rapid-hardening
	<p>Sika MonoTop range Complete range of mortars for all types of concrete repairs</p>	<ul style="list-style-type: none"> ■ Cost-effective solutions ■ Certified performance and proven durability ■ Improved fresh adhesion
	<p>Sikafloor® Level PRO High performance self-levelling compound</p>	<ul style="list-style-type: none"> ■ Able to be applied across large floor areas in a single application ■ Very low VOC ■ Very low shrinkage ■ Pump or manual application - high flow
	<p>Sikafloor Level-30 Self levelling fast drying cementitious screed for higher thickness interior or exterior floors.</p>	<ul style="list-style-type: none"> ■ Ready for use ■ 3-4 hours walk on time (+20 °C) ■ Self smoothing and highly fluid ■ Fast setting and drying

SURFACE PREPARATION

PRODUCT	CHARACTERISTICS & ADVANTAGES	
	<p>Sikafloor Level Ultra Premium high performance self-levelling & smoothing compound</p>	<ul style="list-style-type: none"> ■ Fiber reinforced ■ Very Low VOC (~1 gram per litre) ■ Green star certified ■ High flexural strength ■ High compressive strength ■ Underfloor heating suitable
	<p>Sikafloor Level Top Cement based self-levelling & smoothing compound</p>	<ul style="list-style-type: none"> ■ Very Low VOC ■ Non-combustible ■ Green star certified ■ Great self healing properties ■ Simply mix & apply - No slaking or re-mixing required
	<p>SikaTile-010 Secure Prime A high performance multi-purpose primer with efflorescence inhibiting properties for porous and dense substrates</p>	<ul style="list-style-type: none"> ■ Versatile - suitable for internal, and external use including submerged applications such as tiled pools and spas. ■ VOC Content: 0.05%
	<p>SikaTile-015 NPP A specialty primer with advanced adhesion properties for use on existing tiles, smooth or non porous surfaces</p>	<ul style="list-style-type: none"> ■ VTile over difficult, non-porous surfaces without the need for mechanical surface preparation ■ Fast drying formulation allows for installation of tiles, 1 hour after application

WATERPROOFING

PRODUCT	CHARACTERISTICS & ADVANTAGES	
	Sikadur-Combiflex SG System High -performance, over-banding joint sealing and crack waterproofing system.	<ul style="list-style-type: none"> ■ Excellent adhesion ■ Extremely flexible ■ Weathering and water resistant ■ Suitable for contact with drinking water
	Sikalastic-220 W Resin based liquid applied waterproofing membrane	<ul style="list-style-type: none"> ■ Single component - ready-to-use ■ Crack-bridging ■ Water based ■ Conforms to ETAG 022:1 ■ Seamless
	Sikalastic-152 Cementitious flexible fibre-reinforced mortar for waterproofing and concrete protection	<ul style="list-style-type: none"> ■ Flexible waterproofing and protection of structures retaining or exposed to water such as tanks, concrete pipes, bridges etc. ■ Internal waterproofing of basement walls and floors exposed to low water pressure
	Sika Tite Undertile Flexible, one part, waterbased waterproofing for use under finishes	<ul style="list-style-type: none"> ■ High Extensibility >300% ■ Internal and external covered applications ■ Water based - Low VOC's, Non hazardous ■ Micro fibre enhanced reinforcement (Grey)
	Sika SealTape B Self-adhesive sealing tape for compound seal	<ul style="list-style-type: none"> ■ Highly elastic ■ Waterproof and watertight ■ Good adhesion to Sika® waterproofing products ■ Very thin
	Sika SealTape F Sealing tape for crack bridging	
	SikaTile-110 Secure Proof A premium performance, class iii, fibre reinforced, ready to use, water-based polyurethane waterproofing membrane designed for under tile and stone applications.	<ul style="list-style-type: none"> ■ High elongation ≤500% ■ Solvent free, water-based ■ Fibre reinforced ■ Low VOC ■ Premixed, ready to use ■ High extensibility, Class III

SEALANTS

PRODUCT	CHARACTERISTICS & ADVANTAGES	
	Sikaflex-11 FC Purform Multipurpose fast curing polyurethane elastic adhesive and joint sealant	<ul style="list-style-type: none"> ■ Higher tensile strength ■ Faster skin time ■ Higher movement capability ±25 % (ISO 9047), ±35 % (ASTM C920) ■ Less impact (Ultra-low monomer content)
	Sikasil Color Neutral-curing silicone sealant for construction and sanitary applications	<ul style="list-style-type: none"> ■ Ideal where providing additional sand is a problem ■ No shrinkage ■ Very good finishing ■ Rapid-hardening
	Sikaflex AT-Facade High-performance movement joint sealant	<ul style="list-style-type: none"> ■ Very good workability ■ Over-paintable* ■ Solvent-free ■ Good weathering ■ Movement capability ± 25% (ISO 9047) ■ Primerless adhesion to many porous and non-porous substrates
	Sikasil Pool Neutral-curing, silicone sealant for swimming pools and other permanently wet areas	<ul style="list-style-type: none"> ■ Very high water resistance ■ High chlorine resistance (as required in swimming pools for disinfectant solutions) ■ Extremely high resistance to fungal attack ■ Excellent UV- and weathering-resistance

BONDING AGENTS

PRODUCT	CHARACTERISTICS & ADVANTAGES	
	SikaCeram T-Latex Special latex emulsion for cementitious tile adhesive to improve adhesion and elasticity performances	<ul style="list-style-type: none"> ■ High adhesion performances ■ High elasticity If mixed with SikaCeram®-100 Basic, it can be classified as S2 according to EN 12002
	Sikadur-32 + 2-component structural epoxy bonding agent	<ul style="list-style-type: none"> ■ Easy to mix and apply ■ Suitable for dry and damp concrete surfaces ■ Very good adhesion to most construction materials ■ High bond strength

STANDARDS FOR TILE ADHESIVES & GROUTS

TILE ADHESIVES

STANDARD EN 12004

This standard establishes the specifications and methods for classifying of adhesives for ceramic tile and similar material on floors and walls.

C	Cement-base Adhesives in powder form: to be mixed with water or some other appropriate liquid right before use
D	Dispersion Adhesives: ready-to-use pastes based on organic polymers in water dispersion
R	Reactive Adhesives: based on two or more components to be mixed before use, which sets by means of chemical reaction
Class 1	Normal adhesives (with minimum criteria)
Class 2	Improved adhesives (with additional criteria)
F	Fast setting adhesives
T	Thixotropic adhesives (withstand slip)
E	Extended (longer) open time adhesives

STANDARD EN 12002

This standard determines the transverse deformation degree (elasticity) of cement-based adhesives and grouts, and divides them into two categories.

S1	Deformable product with ≥ 2.5 mm deformability
S2	Highly deformable product with ≥ 5 mm deformability

TILE GROUT

STANDARD EN 13888

This standard establishes the specifications and methods for classifying grouts for ceramic tiles and similar material on floors and walls. It divides the grouts into two categories:

CG	Cement-based Grouts: in powder form, to be mixed with water or some other appropriate liquid right before use
RG	Reactive Grouts: based on two or more components to be mixed before use, which sets by means of chemical reaction

There are two classes of cementitious grouts (CG), depending on different additional criteria:

Class 1	Normal grouts (with minimum criteria)
Class 2	Improved grouts (with additional criteria, reduced water absorption and high resistance to abrasion)

BRANZ APPRAISALS

Sikalastic®-152, Sikalastic®-220 W & Sika® Tite Undertile

BRANZ Appraisal
Appraisal No. 811 (2014)
This Appraisal appraises Sika Exterior Waterproofing Membrane.

Product

1.1 Sika Exterior Waterproofing Membrane is a two-part waterproofing membrane for use under trafficable floor finishes on external decks and balconies.

Scope

2.1 Sika Exterior Waterproofing Membrane has been appraised as a waterproofing membrane on building external walls and balconies.

- in accordance with NZBC Acceptable Solution DS/AS1, Paragraph 1.1 with regard to building height and maximum floor plate area; and
- with building structure designed and constructed to meet the requirements of the NZBC; and
- with deck and balcony supporting structure of floor finishing with substrate of plywood; and
- with substrate of suspended concrete slabs; and
- with substrate of cast-in-place concrete slabs.

2.2 Sika Exterior Waterproofing Membrane has also been appraised for use as a waterproofing membrane on specifically designed buildings with the following scope:

- with building structure designed and constructed to comply with the NZBC; and
- with deck and balcony supporting structure of floor finishing with substrate of plywood and fibre cement compressed sheet; and
- with substrate of suspended concrete slab; and
- subject to maximum wind pressure (refer to Paragraph 7.2); and
- with the waterproofing design of all junctions being the subject of specific design by the designer (Note: The design of these junctions has not been appraised by BRANZ and is outside the scope of this Appraisal).

2.3 Decks and balconies waterproofed with Sika Exterior Waterproofing Membrane must be designed and constructed in accordance with the following limitations:

- constructed to suitable loads (refer to Paragraphs 12.2-12.4); and
- with the membrane suitably protected from physical damage by trafficable floor finishes; and
- with decks and balconies designed and constructed such that deflections do not exceed 1/250th of the span; and
- with no steps within the deck level, no integral roof gutters and no overhangs discharging directly onto the deck.

Sikalastic-152 Sika Exterior Waterproofing Membrane

Scan the QR Code for a copy of BRANZ Appraisal No. 811 [2013_2024]



BRANZ Appraisal
Appraisal No. 812 (2014)
This Appraisal appraises Sika Interior Waterproofing Membrane.

Product

1.1 Sika Interior Waterproofing Membrane has two single part waterproofing membranes for use on trafficable floor finishes in internal wet areas.

Scope

2.1 Sika Interior Waterproofing Membrane has been appraised for use as a waterproofing membrane for internal wet areas of buildings with the following scope:

- on floor substrate of concrete. Flooring substrate particularly plywood, fibre cement compressed sheet and fibreglass sheet shall be repaired, and level substrate concrete concrete assembly will area fibre cement sheet lining systems and set in a plasticised lining system; and
- when protected from physical damage by trafficable floor finishes; and
- where floors are designed and constructed such that deflections do not exceed 1/250th of the span.

2.2 The use of Sika Interior Waterproofing Membrane on concrete slabs where hydrostatic or vapour pressure is present from below is outside the scope of this Appraisal.

2.3 Movement and control joints in the substrate must be sealed to the trafficable floor finish. The design and construction of the substrate and movement and control joints is specific to each building, and therefore the responsibility of the building designer and building contractor and is outside the scope of this Appraisal.

2.4 The trafficable floor finishes are outside the scope of this Appraisal.

2.5 The membrane must be installed by a tradesperson, approved by Sika (NZ) Ltd.

Building Regulations

New Zealand Building Code (NZBC)

2.1 In the context of NZBC, Sika Interior Waterproofing Membrane, if developed, used, installed and maintained in accordance with the statements and conditions of this Appraisal, will meet the following provisions of the NZBC:

Clause B1 DURABILITY - Performance B1.1 (1) 15 years. Sika Interior Waterproofing Membrane meets this requirement. See Paragraph 2.1.

Clause B2 INTERNAL HUMIDITY - Performance B2.1.3. Sika Interior wet area floors and walls incorporating Sika Interior Waterproofing Membrane meet this requirement. See Paragraphs 1.1, 1.2, 1.4.

Clause F2 INHAZARDOUS BUILDING MATERIALS - Performance F2.1.1. Sika Interior Waterproofing Membrane meets this requirement.

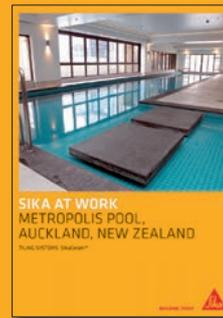
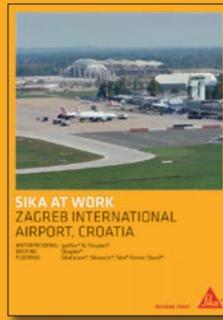
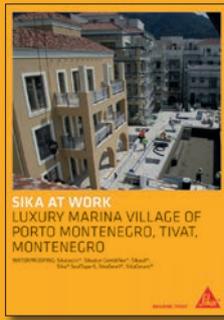
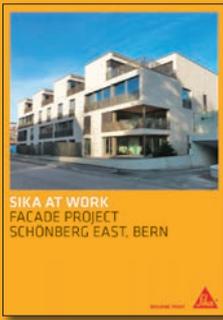
Sika Interior Waterproofing Membrane

Sikalastic-152
Sikalastic-220 W
SikaTite UnderTile
SikaTile-110 Secure Proof

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