

NOTICE PRODUIT

SikaCeram[®]-100

C1E Cement based tile adhesive

INFORMATIONS SUR LE PRODUIT

SikaCeram[®]-100 is a good performance, thin layer, cementitious tile adhesive, supplied ready to use with the addition of water, for bonding ceramic tiles, porcelain tiles and mosaics on floors and walls.

SikaCeram[®]-100 is a cementitious adhesive (C) with improved adhesion (1), and extended open time (E).

DOMAINES D'APPLICATION

SikaCeram[®]-100, is a product used for bonding ceramic tiles in continuous thin layers, up to 10 mm thick. Due to its good adhesion, it can be used in situations where traditional tile adhesives for bonding tiles are not suitable due to the type of tile, the substrate or the specific job situation or location.

SikaCeram[®]-100 is suitable to bond:

- Ceramic, porcelain, homogeneous tiles
- All type of low and high absorption tiles

SikaCeram[®]-100 can be used on:

- Concrete and mortar
- Bricks with render
- Interior painted walls - if the paint coating is well bonded and sound

SikaCeram[®]-100 can be used on internal walls and floors.

DESCRIPTION DU PRODUIT

Base chimique	Cementitious mortar modified with specialized polymers
Conditionnement	25 kg bag
Aspect / Couleur	Grey powder
Durée de Conservation	12 months from date of production
Conditions de Stockage	Store properly in dry conditions, in undamaged and unopened, original sealed packaging. Protect from direct sunlight, rain and water. Not sensitive to frost.

CARACTÉRISTIQUES / AVANTAGES

- Easy to use with good workability and consistency
- Good adhesion to most common substrates (concrete, cementitious mortar, stone, bricks, etc.)
- Compatible with Sikalastic[®]-1 KMY, SikaTop[®] Seal-107 and SikaTop[®] Seal-109 MY
- Can be used with SikaLatex[®] SP or Sika ViscoBond[®]-108 to increase performance of the adhesive

AGRÉMENTS / NORMES

Classified as C1E in compliance with EN 12004.

INFORMATIONS TECHNIQUES

Adhérence par Traction directe	Standard condition	$\geq 0.5 \text{ N/mm}^2$
	Heat ageing	$\geq 0.5 \text{ N/mm}^2$
	Water immersion	$\geq 0.5 \text{ N/mm}^2$

RENSEIGNEMENTS SUR L'APPLICATION

Proportions du Mélange	7.20–7.25 L of water per 25 kg bag	
Densité du Mortier frais	~1.80 kg/l (at +25 °C)	
Consommation	This depends on the level, profile and surface roughness of the substrate, the size of the tiles and the technique of placing (simple placing or "back"-buttering).	
	As a guide, in kilos of powder per m ² in flat surfaces:	
	Mosaics and small tiles	2.0–4.5 kg/m ²
	Normal tiles (200 mm x 200 mm)	4.5–9.0 kg/m ²
	* This may only serve as a guideline. It is highly recommended to carry-out trials on site to determine the actual coverage.	
Épaisseur de la Couche	3 mm min. / 10 mm max.	
Température de l'Air Ambiant	+5 °C min. / +40 °C max.	
Température du Support	+5 °C min. / +40 °C max.	
Temps ouvert / Durée pratique d'utilisation (DPU)	$\geq 0.5 \text{ N/mm}^2$ at 30 minutes	(EN 1346:1997)
	Open time is approximately 30 minutes under normal temperature and humidity conditions. Under unfavourable conditions, the open time might be shorter.	
Temps d'ajustement	Once the tiles are placed into the mortar, they can be adjusted within ~30 minutes (at +20 °C).	
Produit Appliqué Prêt à l'Emploi	At +25 °C,	
	Before jointing works	Min. 24 hours
	Before opening to light foot traffic	Min. 24 hours
	Before opening to full traffic	Min. 7 days

INSTRUCTIONS POUR L'APPLICATION

QUALITÉ DU SUPPORT / PRÉTRAITEMENT

Ensure all concrete slabs are allowed to cure fully and have a wood float finish. All rendered surfaces must be allowed to cure for at least 7 days prior to commencement of tiling works. The maximum variation in the plane of the concrete, using a straightedge, must not exceed 5 mm in 3 m for floors and 4 mm in 2 m for walls. Steel trowel finished concrete surfaces must be mechanically abraded prior to commencement of tiling works. Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents and any other loose or contaminating materials. Fibre cement sheets when used as an underlay or wall/floor material must be a minimum of 6 mm in thickness. For heavy duty commercial applications it should be a minimum of 9 mm thick and should be fixed in accordance with the manufacturer's instructions and the relevant standards. Compressed fibre cement sheets when used as a floor substrate must be 15 mm thick, and when used as a wall substrate must be 9 mm thick and should be installed in accordance with the manufacturer's instructions and the relevant standards. Gypsum plaster-board sheets when used as a wall substrate must be a minimum of 10 mm thick, and installed in accordance with the manufacturer's instructions and the relevant standards.

Weak concrete and/or cement laitance must be removed. Repairs to the substrate, filing of blowholes / voids, etc. must be carried out using appropriate products from the SikaTop® or Sika MonoTop® range of material. Allow a waiting time of 24–48 hours before the tiling works. All dust, loose and friable material must be completely removed from all surfaces before application of SikaCeram®-100, preferably by brush and/or vacuum. If the substrate is very porous, and/or if the temperature is high and the relative humidity is low, it is advisable to pre-wet the surface (do not leave any standing water) or apply Sika® Primer-11 WMY. Please contact Sika local representative for further information on the recommended primer for the specific substrate.

MÉLANGE

Mix thoroughly with clean water for a minimum of 3 minutes.

Leave material to stand in container (for a minimum 5 minutes). Then remix the material for 15 seconds - the product is now ready for use.

SikaCeram®-100 must be mechanically mixed using a forced action mixer or in a clean container using a drill and mixing paddle (< 500 rpm). A normal free fall concrete mixer is not suitable.

APPLICATION

SikaCeram®-100 is applied using a notched trowel on to the substrate. Choose the size of trowel that will give the right thickness on the back of the tile.

As a guide:

SikaCeram®-100 is used for fixing absorbent tiles below size of 3 600 cm² (e.g. 60 cm x 60 cm) for indoor floors, and up to 900 cm² (e.g. 30 cm x 30 cm) for outdoor paving.

Apply a uniform layer of SikaCeram®-100 by trowel in small areas at the recommended thickness. Then, immediately, adjust the thickness using a notched trowel. Finally, place the tile, pressing it firmly into the mortar.

Open time is approximately 30 minutes under normal temperature and humidity conditions. Under unfavourable conditions, the open time might be shorter. If a surface film has developed, pass a notched trowel through the applied adhesive.

Once the surfaces have been prepared in accordance with the above recommendations, apply the adhesive onto the substrate using an appropriate serrated trowel. SikaCeram®-100 should be applied onto the substrate at a rate of 1 m² at a time. Application rates greater than this can result in the adhesive skinning before the tiles are laid. Once the adhesive is applied onto the substrate ensure that it does not skin prior to bedding the tiles. If skinning has occurred, rework the adhesive before placing the tiles within pot life. When placing the tiles into the adhesive, press them in by using the Tarver Method; press, slide perpendicular and return. Ensure no air is trapped and full coverage of the adhesive is under the tiles. For tiles with lugs, grooves or uneven backing, back-buttering the tile with adhesive may be required. The final bed thickness of the adhesive should be at least 3 mm. Once the tiling works are completed do not disturb the tiled surface for at least 6–8 hours (at 20 °C).

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Août 2020, Version 01.01

02171010200000046

NETTOYAGE DES OUTILS

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

LIMITATIONS

- Cementitious substrates must be at least 1 month old.
- Do not exceed the recommended water dosage. Apply only to sound, prepared substrates. Do not exceed the maximum layer thickness.
- Protect freshly applied material from freezing conditions and rain etc.
- Carry-out site trials with SikaCeram®-100 when marble, granite and/or porcelain tiles are used.
- Do not attempt to dampen the applied adhesive to extend the open time as this interferes with the bond performance.
- When used with SikaLatex® SP or Sika ViscoBond®-108, ensure all ratio of SikaLatex® SP or Sika ViscoBond®-108 to SikaCeram®-100 are consistent. Recommendations are 3–6 L of SikaLatex® SP or Sika ViscoBond®-108, direct replacement for the total water required per 25 kg bag.

VALEURS DE BASE

Toutes les valeurs indiquées dans cette Notice Produit sont basées sur des essais effectués en laboratoire. Les valeurs effectives mesurées peuvent varier du fait de circonstances indépendantes de notre contrôle.

RESTRICTIONS LOCALES

Veillez noter que du fait de réglementations locales spécifiques, les données déclarées pour ce produit peuvent varier d'un pays à l'autre. Veuillez consulter la Notice Produit locale pour les données exactes sur le produit.

ÉCOLOGIE, SANTÉ ET SÉCURITÉ

Pour obtenir des informations et des conseils sur la manipulation, le stockage et l'élimination en toute sécurité des produits chimiques, les utilisateurs doivent consulter la fiche de données de sécurité (FDS) la plus récente contenant les données physiques, écologiques, toxicologiques et autres données relatives à la sécurité. Nos FDS sont disponibles sur demande.

SIKA SENEGAL S.A.R.L.U
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SENEGAL

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INFORMATIONS LÉGALES

Les informations, et en particulier les recommandations concernant les modalités d'application et d'utilisation finale des produits Sika sont fournies en toute bonne foi et se fondent sur la connaissance et l'expérience que Sika a acquises à ce jour de ses produits lorsqu'ils ont été convenablement stockés, manipulés et appliqués dans des conditions normales, conformément aux recommandations de Sika. En pratique, les différences entre matériaux, substrats et conditions spécifiques sur site sont telles que ces informations ou recommandations écrites, ou autre conseil donné, n'impliquent aucune garantie de qualité marchande autre que la garantie légale contre les vices cachés, ni aucune garantie de conformité à un usage particulier, ni aucune responsabilité découlant de quelque relation juridique que ce soit. L'utilisateur du produit doit vérifier par un essai sur site l'adaptation du produit à l'application et à l'objectif envisagés. Sika se réserve le droit de modifier les propriétés de ses produits. Notre responsabilité ne saurait d'aucune manière être engagée dans l'hypothèse d'une application non conforme à nos renseignements. Les droits de propriété détenus par des tiers doivent impérativement être respectés. Toutes les commandes sont soumises à nos conditions générales de vente et de livraison en vigueur. Les utilisateurs doivent impérativement consulter la version la plus récente de la Notice Produit correspondant au produit concerné, accessible sur internet ou qui leur sera remise sur demande.

SikaCeram-100-fr-SN-(08-2020)-1-1.pdf