

PRODUCT DATA SHEET

SikaGrout®-215 Lite

Shrinkage compensated cementitious grout

DESCRIPTION

SikaGrout®-215 Lite is a cementitious non-shrink grout with shrinkage-compensating properties designed for all general purpose grouting and repairs. It requires only on site addition of water to produce a high strength, non-shrink grout that is non-corrosive, non-oxidising and free of chlorides and nitrates.

USES

- Patching repairs on concrete walls and floors
- Bonding of new concrete to old concrete
- Filling cavities, gaps, recesses, joints and angle fillets, etc.

CHARACTERISTICS / ADVANTAGES

- Non-shrinking and free of bleeding settlement
- High early compressive and flexural strength
- Strong bonding to steel and concrete
- Non-corrosive
- Non-toxic
- Chloride and iron free
- Easy to mix and apply

PRODUCT INFORMATION

Packaging	25 kg bag
Shelf Life	6 months from date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight, rain and water.
Density	~2.2 kg/l depending on consistency and temperature

TECHNICAL INFORMATION

Compressive Strength	≥ 40 N/mm ²	(ASTM C109)
Tensile Adhesion Strength	≥ 1.5 N/mm ²	(BS EN 12615:1999)
Change of Volume	0–3 %	(ASTM C827/827M:2010)

APPLICATION INFORMATION

Mixing Ratio	3.25–4.5 L of clean water per bag	
Yield	~0.014m ³ / bag	
Pot Life	20–45 minutes depending on weather condition	
Flowability	30–45 %	(ASTM C1437)
Initial Set Time	≥ 1 hour	(BS EN 196:3:2005+A1:2008)
Final Set Time	≥ 4 hours	(BS EN 196:3:2005+A1:2008)

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate should be prepared by suitable mechanical preparation techniques such as high pressure water, breakers, grit blasting, scabblers, etc.

All absorbent surfaces must be well saturated with clean water, but free of any surface water or puddles prior to the application of SikaGrout®-215 Lite.

Concrete, mortar and stone

Surfaces must be sound, clean, free from frost, oils, grease, standing water and all loosely adhering particles and other surface contaminants.

Metal surfaces (iron and steel)

Surfaces should be clean, free from scale, rust, oil and grease.

MIXING

Place about 70–80 % of the premeasured clean water (depending on consistency required - refer to "Mix Ratio") into a clean container and gradually add the whole bag of SikaGrout®-215 Lite into it while continuously mixing. Add the remaining water and continue mixing until the desired consistency is obtained. Mix for 4–5 minutes with a slow speed drill and paddle (~500 rpm).

For large quantities mixing, the use of a forced-action mixer of rotating pan, paddle or trough type is preferred. Free fall mixers should not be used.

APPLICATION

SikaGrout®-215 Lite is ready to use after mixing with the appropriate water demand. For patching repairs to floor and wall, application can be done using a steel trowel.

For improved abrasion and water resistance, a bonding agent, e.g. SikaLatex®-118 can be added.

SikaGrout®-215 Lite	25 kg
SikaLatex®-118	2 L
Water	1–2 L

Maximum 25 kg of 3 mm gravel / granite chips can be added to this mix without reducing mechanical properties.

CURING TREATMENT

Immediately after finishing, exposed area should be thoroughly cured with wet hessian or curing compound, e.g. Sika® Antisol®.

CLEANING OF TOOLS

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

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.

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