

PRODUCT DATA SHEET

SikaGrout®-215 T

NON-SHRINKAGE CEMENTITIOUS GROUT

DESCRIPTION

SikaGrout®-215 T is a high strength, non-shrink, self-levelling, premixed cementitious grout with extended working time to suit local ambient temperatures.

USES

SikaGrout®-215 T is suitable for the following grouting works with clearance of 10 mm or more:

- Machine foundations
- Columns in precast construction
- Concrete anchors
- Bridge bearings
- Cavities

- Gaps
- Recesses
- Rail beds

CHARACTERISTICS / ADVANTAGES

- Easy to mix and apply
- Good flow characteristics
- Rapid strength development
- High ultimate strengths
- Impact resistant
- Non-corrosive
- Non-toxic
- Iron and chloride free
- Dense and non-shrink
- Extended working time

PRODUCT INFORMATION

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|----------------------------|---|
| Packaging | 25 kg bag |
| Appearance / Colour | Grey Powder |
| Shelf Life | 6 months from the date production if stored in undamage and unopened original sealed bags |
| Storage Conditions | Stored in dry condition between +10 °C and +35 °C |
| Density | 2.2–2.3 kg/liter (Fresh mortar) |

TECHNICAL INFORMATION

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|---|----------|------------------------|--------------|
| Compressive Strength | 7 days | 400 kg/cm ² | (ASTM C109) |
| | 28 days | 560 kg/cm ² | |
| *Mix ratio with 3.75 liters water per bag | | | |
| Expansion | < 0.40 % | 8 hours | (ASTM C878) |
| | > 0 % | 1 day & 28days | (ASTM C1090) |
| *Mix ratio with 3.6–3.75 liters water per bag | | | |
| Bleeding | 0 % | | (ASTM C940) |

APPLICATION INFORMATION

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|-------------------------|--|
| Mixing Ratio | 3.6–4.0 liters clean water per bag |
| Consumption | 1800 kg/m ³ (Dry) |
| Layer Thickness | Recommended thickness is 10–100 mm depended on size of grouting area |
| Product Temperature | < +30 °C |
| Ambient Air Temperature | +10 °C min. / +35 °C max. |
| Substrate Temperature | +10 °C min. / +35 °C max. |
| Pot Life | > 30 minutes |
| Setting Time | 4–8 hours |

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- Remove dirt, oil, grease, loose material and other bond-inhibiting materials.
- Anchor bolts to be grouted must be degreased with suitable solvent.
- Concrete must be sound and roughened to promote mechanical adhesion.
- Prior to pouring, all absorbent surfaces must be well saturated with clean water, but free of any surface water

MIXING

Put measured quantity of water (depend on the required consistency) into a mixing vessel. Add slowly the total contents of SikaGrout®-215 T while mixing. Mix continuously for 3 minutes to achieve even consistency. Use a mechanically low speed drill (400–600 rpm) with mixing paddle or appropriately sized mortar mixer.

APPLICATION

Within 30 minutes after mixing, place grout into forms from one side to avoid air entrapment. Do not vibrate. Use a suitable head box of 150–200 mm and maintain the grout head at all times to ensure a continuous flow. Gentle tapping or pulling loops of wire from one side may assist the flow of the mortar under difficult working conditions.

CURING TREATMENT

Wet cure for a minimum 3 days with wet hessian, plastic sheet or apply a curing compound (Sika® Antisol® E).

CLEANING OF TOOLS

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

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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.

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