

## PRODUCT DATA SHEET

# Ronafix® Colour Grout

PREPACKED, SHRINKAGE-REDUCED, WATERPROOF GROUT FOR JOINTS BETWEEN TILES

### DESCRIPTION

Ronafix® Colour Grout powder is a cement-based grouting compound for ceramic tiles, homogeneous tiles, granite and marble installed on walls and floors, both interior and exterior. A specially prepared powder which is designed to minimize efflorescence and when mixed with Ronafix® T.S. or water provide a shrinkage-reduced and waterproof grout for joints between tiles. Ronafix® Colour Grout powder is available in twenty different colours and is most suitable in joints from 3 mm to 15 mm wide. For joints width less than 3 mm, please consult with Sika Technical Department for advice.

### USES

- Kitchens
- Bathrooms
- Showers
- Lobbies
- Swimming pools
- External or internal facades

### PRODUCT INFORMATION

<b>Composition</b>	Polymer reinforced cementitious grout
<b>Packaging</b>	25 kg bag
<b>Appearance / Colour</b>	20 colours available for selection, please refer to colour chart for more details.
<b>Shelf life</b>	9 months from the date of production
<b>Storage conditions</b>	Stored properly in undamaged and unopened original sealed packaging. Protect from direct sunlight and frost.
<b>Density</b>	1.67 kg/litre

### CHARACTERISTICS / ADVANTAGES

- Can minimize efflorescence
- Waterproof and water resistant
- Shrinkage-reduced
- Stable colour finish that are unaffected by light or weather
- Compatible with most building substrate
- Excellent adhesion
- Simple to mix and apply
- Easy to clean
- Low VOC
- Can contribute to LEED certification

### APPROVALS / CERTIFICATES

- Conforms to EN 13888 CG2 WAr grout

## TECHNICAL INFORMATION

<b>Abrasion Resistance</b>	<b>Acceptance Standards</b>	<b>Ronafix® Colour Grout Typical Performance</b>	<b>Test Method</b>
	≤ 1000 mm <sup>3</sup>	227 mm <sup>3</sup>	BS EN 12808 - 2
<b>Compressive Strength</b>	<b>Acceptance Standards</b>	<b>Ronafix® Colour Grout Typical Performance</b>	<b>Test Method</b>
	≥ 15 N/mm <sup>2</sup>	51.3 N/mm <sup>2</sup>	BS EN 12808 - 3 (After dry storage)
	≥ 15 N/mm <sup>2</sup>	46.9 N/mm <sup>2</sup>	BS EN 12808 - 3 (After Freeze - thaw cycles)
<b>Flexural Strength</b>	<b>Acceptance Standards</b>	<b>Ronafix® Colour Grout Typical Performance</b>	<b>Test Method</b>
	≥ 3.5 N/mm <sup>2</sup>	12.9 N/mm <sup>2</sup>	BS EN 12808 - 3 (After dry storage)
	≥ 3.5 N/mm <sup>2</sup>	6.5 N/mm <sup>2</sup>	BS EN 12808 - 3 (After Freeze - thaw cycles)
<b>Shrinkage</b>	<b>Acceptance Standards</b>	<b>Ronafix® Colour Grout Typical Performance</b>	<b>Test Method</b>
	≤ 2 mm/m	1.25 mm/m	BS EN 12808 - 4
	1 day shrinkage ≤ 0.1 %	0.032 %	ANSI A118.6 - 1992 Clause H4.3
	7 days shrinkage ≤ 0.2 %	0.077 %	ANSI A118.6 - 1992 Clause H4.3
	<b>Microbiological Resistance</b>	<b>Acceptance Standards</b>	<b>Ronafix® Colour Grout Typical Performance</b>
No sign or evidence of mould growth	Complied	BS 5980 : 1980 Appendix B	
<b>Water Absorption</b>	<b>Acceptance Standards</b>	<b>Ronafix® Colour Grout Typical Performance</b>	<b>Test Method</b>
	≤ 2 g	0.3 g	BS EN 12808 - 5 (after 30 min)
	≤ 5 g	0.5 g	BS EN 12080 - 5 (after 240 min)
	From 50 % RH to immersion ≤ 5 %	4.22 %	ANSI A118.6 - 1992 Clause H3.4
	From immersion to dry ≤ 7 %	6.35 %	ANSI A118.6 - 1992 Clause H3.4

## APPLICATION INFORMATION

<b>Consumption</b>	<p>The consumption rate of Ronafix® Colour Grout powder on site will, amongst other things, be dependent upon site conditions and the skill of the labour. The following formula may be used to calculate the mathematical consumption rate but does not allow for any wastage etc.,</p> <p>Consumption (kg/m<sup>2</sup>) =  <math display="block">\frac{\text{Length of Tile} + \text{Width of Tile} \times \text{Joint Depth} \times \text{Joint Width} \times 1.67}{\text{Length of Tile} \times \text{Width of Tile}}</math></p> <p>*All of the above data should be calculated in "mm" unit.</p>
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## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Remove all adhesive, oil, dust and other loose material from within the tile joints. Ensure that joints are clean and dry. Check colour code on packaging and colour of contents to ensure correct colour grout powder is used.

### MIXING

Place approximately 3.8 to 5 litres of clean, potable water into the mixing vessel. Slowly add the total contents of Ronafix® Colour Grout powder into the mixing vessel. Initially, mix continuously for at least 3 minutes using an electric drill with paddle, until all powder has been wetted out and a uniform homogeneous paste is achieved. Allow the mixture to rest for at least 5 minutes and re-mix the material for another 1 minute before applying the colour grout mixture to the tile joints. The mixed colour grout should be kept in the mixing vessel and protected from direct sunlight. The mixed colour grout should be used within 2 hours of initial mixing.

### APPLICATION

Apply the colour grout with a rubber squeegee or rubber trowel. Work it into the tile joints with a diagonal or circular motion to ensure that the joints are completely filled with colour grout. Remove excess grout from the surface of the tile as the work proceeds. When the film of grout on the tile face is drying, use a damp but not wet rubber sponge to wipe off the film.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with clean water immediately after use.

## IMPORTANT CONSIDERATIONS

1. Staining of tiles, pavers, marble and stone may occur due to their nature. Confirm compatibility with a test area before grouting primary installation.
2. Standard Grade "Ronafix® Colour Grout Powder" is not recommended for joint width below 3 mm.
3. Applications for continuous water immersion, we recommend "Ronafix® T.S." be substituted for the potable water.

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Product Data Sheet  
Ronafix® Colour Grout  
May 2020, Version 01.04  
02172010000000078

## 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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

### VOC DATA

< 10 g/litre when tested in accordance with USEPA method 24.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

RonafixColourGrout-en-HKRON-(05-2020)-1-4.pdf