

## PRODUCT DATA SHEET

# SikaCeram<sup>®</sup>-621

### FlowFix Flowable Porcelain Jointing Compound

#### PRODUCT DESCRIPTION

SikaCeram<sup>®</sup>-621 FlowFix is a ready to use (just add water), flowable joint filling and grouting compound. It is fast to use and delivers exceptional bond strength - perfect for grouting large areas with joints 3-10 mm wide.

#### USES

- For use with porcelain or ceramic paving.
- Simple and fast application - ideal for large scale areas.
- Suitable for joints 3-10 mm wide and at least 15 mm deep.

#### CHARACTERISTICS / ADVANTAGES

- Fast setting with exceptional bond strength.
- Simply squeegee into joints for fast and effective application.
- Cures in 60 minutes to a non-permeable finish.
- Suitable for vehicular traffic.
- Can be applied to wet surfaces.
- Exterior use only.

#### PRODUCT INFORMATION

<b>Packaging</b>	20 kg bags, 15 kg Buckets (Contains 3 x 5 kg bags).
<b>Shelf Life</b>	If kept accordingly, fully sealed and enclosed in its original container in dry conditions, shelf life will be maximum 9 months from date of manufacture.
<b>Storage Conditions</b>	Protect SikaCeram <sup>®</sup> -621 FlowFix from frost and store between 5 °C and 20 °C.
<b>Appearance / Colour</b>	Light Grey / Ivory / Buff / Dark Grey Powder
<b>Density</b>	Wet density: 2.21 g/cm <sup>3</sup>
<b>Compressive Strength</b>	Light Grey: 47.5 MPa Ivory: 62.4 MPa Dark Grey: 37.2 MPa Buff: 37.2 MPa
<b>Flexural Strength</b>	8.1 MPa
<b>Joint width</b>	3-10 mm wide Minimum 15 mm deep

#### APPLICATION INFORMATION

<b>Mixing Ratio</b>	20 kg powder to 3.0 - 3.4 litres clean water. 5 kg powder to 0.75 - 0.85 litres clean water.
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<b>Consumption</b>	One 20 kg bag of SikaCeram®-621 FlowFix correctly mixed with water will cover up to 40 m <sup>2</sup> based on 900 mm x 600 mm pavers 5 mm wide and 20 mm deep. Each 5 kg bag of SikaCeram®-621 FlowFix correctly mixed with water will cover up to 10 m <sup>2</sup> based on 600 mm x 600 mm pavers 5 mm wide and 20 mm deep.
<b>Ambient Air Temperature</b>	Between +5 °C and 25 °C
<b>Pot Life</b>	20 minutes.

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## USES

## LIMITATIONS

- Only apply when surface and air temperature is between +5 to 25 °C.
- Do not apply in heavy rain or if heavy rain is likely within 3 hours.
- Do not add further water to the product once mixed. Do not try to reconstitute.
- Avoid brushing joints within 24 hours of application to avoid a poor finish.
- Not recommended for use on natural stone and other porous substrates.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

- For best results we recommend using **SikaCeram®-621 Flowfix Bonding Primer** to adhere the tiles to the bedding mortar.
- The tiled area must be full set, stable and secure.
- Ensure the substrate is sound, clean and dust free.
- Prior to using the products, ensure the substrate is free from weeds, dirt and organic growth.
- The joints must be clear of material.
- Pre-wet the tiles but ensure there is no standing water.
- The joints must be between 3-10 mm wide with a depth of at least 15 mm.

### MIXING

- Mix contents of the bag with clean water as recommended using a drill and spiral action mixer.
- Always add powder to water.
- Mix for approx. 3 minutes until a smooth, lump free flowable mortar results.

- Do not overmix or create excessive air bubbles within the product.
- Do not mix more product than can be used within 20 minutes.

### APPLICATION

- Pour SikaCeram®-621 FlowFix Jointing Compound into the joints immediately after mixing.
- Using a squeegee, work SikaCeram®-621 FlowFix Jointing Compound across the tiled area ensuring all joints are filled.
- Add more product to joints as required.
- Ensure product has hardened sufficiently before cleaning. This usually takes between 30-60 minutes depending on site conditions.

### CLEANING OF TOOLS

- Remove product residue from the tiled surface using a sponge float with clean fresh water.
- Any tough areas should be scrubbed with a stiff brush then washed away once the mortar has begun to cure.
- Do not brush over joints.
- Once the mortar has sufficiently set, the tiled area can be polished using a dry soft cloth to remove any final mortar residues.
- Ensure there is no residue of product left on the tiled surface.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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 re-

serves 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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