



# VURA®

Time To Build Better

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# VURA SiGro™

**Vura SiGro** is a polymer based un sanded cement grout. It is a fine, high quality grout mortar for tile and stone joints of 1 to 6 mm width on wall and floor.

## CHARACTERISTICS

- Reduced water absorption
- Abrasion resistance
- Ideally smooth Easy to apply
- Extremely durable colors
- Long working time
- Weather resistance
- Non cracking, Non shrink
- Suitable for interior and exterior use
- For tile and stone joints



Easy Workability



Colour Stability



High Filling

## SCOPE OF USE

- **Vura SiGro** mortar is used for grouting tiles and natural stones (non-sensitive to discoloration) on non-deformable substrates indoors and outdoors. Can be used in all domestic areas, e.g. bathrooms, kitchens, etc. Can be used for internal and external tilling in dry and wet locations, including swimming pool with non aggressive water conditions. Designed for floor and wall joints of all types of ceramic, vitrified, semi vitrified tiles, glass mosaic tiles, terrazzo, engineered stone floors and natural stones.

## SUBSTRATE PREPARATION

- The tiles edges and surface should be free from dirt. Start grouting only when the tile adhesive is sufficiently set and dried. For grouting tiles susceptible to colour change (natural stones) we recommend doing tests before to check that **Vura SiGro** does not leave permanent marks on the tile surface or edges.

## APPLICATION

**Vura SiGro** should be poured into the measured amount of clean water and mixed until a homogenous mass without any lumps is reached. Wait 3 minutes (maturing time) before second mixing. Do not use rusty or dirty equipment or tools. Apply the grout with a grouting float, completely filling the joint. Allow sufficient time for the grout to set in the joint before starting to clean (finger test). This time can vary from 5 to more than 30 minutes and depends on the tile absorption properties, joint width and depth, as well as ambient and substrate temperature. After initial drying, the surplus of material should be removed with a clean, semi-dry sponge. When cleaning please do not use a dry cloth as this may cause a risk of discoloration by rubbing dried grout mortar into the damp grout. Washing the tiles, a second time with clean water on the next day supports a homogenous surface and mineral hydration (second rewetting). Tiles can be walked on after 24 hours from the application. Grout can be exposed to water after 24 hours. Within the first 5 days after the application, only clean water without any cleaning agents should be used. Grout reaches its complete properties 7 days after application.

## SPECIALNOTES

The addition of **Vura SiGro AD** to cement base **Vura SiGro** grout will enhance adhesion to tile/stone edges, water resistance, improved flexibility and reduces the water permeability of the grout. With addition of **Vura SiGro AD** with **Vura SiGro**, product will become a CG2W product. Mix 100 ml of **Vura SiGro AD** and 230-240 ml of water with 1 Kg of **Vura SiGro** and mix until we get the lump free smooth paste. For detail, please refer technical data sheet of **Vura SiGro AD**.



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## PLEASE NOTE

- Work should be done in dry conditions at an air and surface temperature from +5°C to +35°C.
- Excessive wiping of the joints can expose the aggregate and make the joint surface rough. A too high amount of water used in mixing causes cracking and lowers the grout's strength.
- Any dampened substrate, inadequate water dosing as well as different drying conditions may cause discoloration. Do not use cleaning agents in vivid colours. The actual shade of the joint may differ from the colour of the sticker on the package.
- Grouts freshly applied outside should be protected against rain, dew and temperature drops below +5°C until the grout is completely hardened and dried.
- Dispose of hardened product residues as industrial waste similar to household waste or in the container for commercial/construction site waste. Dispose of unhardened product residues as hazardous waste.
- Water tightness and chemical resistance is achieved by applying **Vura Oxi** epoxy grout. Expansion joints between tiles, joints between walls and floors and around sanitary equipment shall be filled with PU or Silicone sealant.
- Please use a semi-wet sponge for cleaning the tile surfacing in order to avoid discoloration and shading.

## PRODUCT SAFETY

**Vura SiGro** powder is an irritant, and the cement content sets off an alkaline reaction with moisture. Therefore, protect your eyes and skin. In case of eye contact, rinse eyes thoroughly with water and consult a doctor. Only recycle totally empty packages.

## GENERAL DATA

1. Base : Mixture of cements with mineral fillers and polymer modifying agent
2. Appearance : Lumps free powder
3. Water: Powder Ratio : 330-340 ml water for 1Kg of **Vura SiGro** powder
4. Colors : 7 Colors (Coal Black, Cotton white, Banana Jasmine, Latte Terracotta, Midnight Grey, Cloud Grey, Graphite Grey)
5. Pack size : 1Kg Pouch

## TECHNICAL DATA

Density (g/ml)	: 1
Pot life	: Apporx. 1 hour
Abrasion resistance	: $\leq 2000\text{mm}^3$
Compressive strength under standard condition	: $\geq 15 \text{ N/mm}^2$
Flexural strength under standard conditions	: $\geq 2.5 \text{ N/mm}^2$
Flexural strength under freeze-thaw cycles	: $\geq 2.5 \text{ N/mm}^2$
Shrinkage	: $\leq 3\text{mm/m}$
Water absorption (after 30 min)	: $\leq 5\text{g}$
Water absorption (after 240 min)	: $\leq 30\text{g}$
Tile joint width	: 1 to 6 mm
Application temperature	: 5°C to 35°C
Foot traffic	: After 24 hours
Ready to use	: 7 days
Consumption	: Coverage of <b>Vura SiGro</b> varies depending on the width of the joints, the size and thickness of tiles. Please refer to the product calculator to estimate consumption rates at <a href="http://www.vura.ae">www.vura.ae</a> .
Shelf life	: Until 15 months since the date of stored under undamaged dry conditions and original packaging.

The product complies with the requirement of CG1 WA as per EN 13888 standard



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## CONSUMPTION FORMULA

$$\frac{(A+B)}{(A \times B)} \times C \times D \times 1.00 = \text{kg/m}^2$$

A = Tile Length (mm) B = Tile Width (mm) C = Tile Thickness (mm) D = Tile Joint (mm)

## OTHER INFORMATION

Should you need support or advice, please consult our advisory service for architects and craftsman on the contact information you will find on the local VURA website.

Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The afore mentioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of at 23°C-25°C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions, hardening can be accelerated or delayed and that the product itself is subject to local conditions.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.



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