



A high-performance polymer modified anti-efflorescence and water repellent grout for joints 2 to 20mm, suitable for use with all types of ceramic, porcelain and natural stone tiles in interior and exterior applications.

- ▼ Interior and exterior use
- ▼ Walls and floors
- ▼ Suitable for use with underfloor heating systems
- ▼ Aquastop effect repels superficial water from grout joints producing a pearl effect
- ▼ Very low porosity and minimum water absorption
- ▼ Fast and easy to clean during application giving an optimum and fast finish
- ▼ Resistant to cracking due to its low retraction
- ▼ Great durability against abrasion and mechanic resistance even during freeze/thaw processes
- ▼ Saline efflorescence blocking technology guaranteeing colour uniformity
- ▼ Colour resistant to UV rays and exterior exposure
- ▼ Good resistance against oils, solvents, alkalis and pH>3 acids

STORAGE:

The product must be stored unopened and sealed, in its original packaging in a cool, dry place.

SHELF LIFE:

Approximately 12 months from the date printed on the side of the packaging.

TECHNICAL FEATURES:

Validus Sono is a flexible high-performance anti-efflorescence and water repellent grout. Made from high purity aggregates, pigments and specially formulated additives, it is free from Portland cement guaranteeing colour uniformity and a superior finish.

It is recommended for use with all types of ceramic, porcelain and natural stone tiles in high traffic and residential areas, swimming-pools, façades, balconies and terraces. Due to its fast setting and hardening properties it is ideal for use on fast-track turnaround projects.

With bioactive technology, it delivers superior anti-fungi and anti-algae properties, meaning it can be used in damp and humid environments.

size:
5kg





PACKAGING:

Stock Code	Colour	Colour Code	Size	Packaging
7370	White	001	5kg	4 bags per box
7371	Mid Grey	005	5kg	4 bags per box
7372	Dark Grey	006	5kg	4 bags per box
7373	Black	010	5kg	4 bags per box
7374	Cream	015	5kg	4 bags per box
7375	Beige	016	5kg	4 bags per box
7376	Mid Brown	020	5kg	4 bags per box
7377	Dark Brown	021	5kg	4 bags per box

SUITABLE SUBSTRATES OR USES:

Before applying the Validus Sono, ensure that the tiles have been laid correctly and are secured to the substrate. Ensure that the tile adhesive has set and that the substrate is perfectly dry and free from any rising damp. Grout joints must be clean and dry, free from dust and should have a uniform depth of at least two-thirds of the overall thickness of the tile to avoid any variation in colour.

Grout joints in accordance with BS 5385, parts 1-5 and the follow the recommended waiting time indicated on the relative Validus data sheet for the adhesive used.

Please note that some ceramic tiles may be micro-porous or contain roughness on the surface. It is advisable to carry out a preliminary test to verify that it can be cleaned. If necessary, apply a temporary pore sealer on the surface to avoid any possible staining.

size:
5kg



**PRODUCT PREPARATION:**

Mix a quantity that you can use comfortably within the products pot life (As a guide 20-25 minutes at 23°C and 50% RH). Product that has begun to set must be discarded.

Mix Validus Sono with clean water manually or with a mixer at low speed (400 rev/min) until you achieve grout of a smooth and lump-free homogeneous consistency.

As a guide for powder to water ratio 5kg of Validus Sono requires approximately between 1.15-1.35 litres of water.

Adding extra water does not improve the workability and the cleanability of the grout, and may cause shrinkage in the plastic phase of drying and result in less effective final performance. Prepare all mixtures required to complete the process using the same amount of water, to avoid any variations in grout shade.

Allow the product to stand for about 2 minutes, then remix. The grout is now ready for use and must be used within 20-25 minutes.

INSTRUCTIONS FOR USE:

Validus Sono should be applied evenly on the tile covering using a rubber trowel, spreader or float. Grout material must completely fill joints. Application in a diagonal movement across the joints will achieve the best results. Remove most of the excess grout immediately, ensuring nothing more than a thin film is residual on the tile.

Once the grout has dried for approximately 20 to 30 minutes, and once it has turned matte in colour, clean the surface to remove any excess and finish the grout using a damp grout cleaning sponge. Use circular movements, taking care not to damage the joints. Clean the sponge frequently with clean water, always using a uniform quantity of water to avoid colour changes. Finish up by dragging the sponge diagonally across the tiles while applying water evenly over the tiles.

When the grout is hard enough in the joint, the tiled surface can be polished using a clean and dry cloth.

In ideal conditions grouted areas can accept light foot traffic after three hours. This time can vary depending on temperature and site conditions. The area can be returned to full service within 24 hours, or in 48 hours where the product has been used in swimming pools and water storage tanks.

size:
5kg





NOTES AND RECOMMENDATIONS:

- ▼ Do not apply under 5°C or above 30°C
- ▼ Do not apply during periods of rain, extreme wind or direct sun
- ▼ Do not apply on substrates that suffer from rising damp
- ▼ In case of highly absorbent tiles or high temperatures, moisten the joints before filling using clean water
- ▼ Do not clean the joints with any type of acid as it will affect the colour
- ▼ Do not mix with any other plasters or hydraulic agglomerates
- ▼ Do not clean with excessive amount of water, or while the product is still fresh, to avoid carbonation and discolouration of the surface due to pigment dispersion

COVERAGE:

Consumption according to dimensions (kg/m²)

Valid values for 6mm thickness pieces.

Tile Format	Joint Width				
	2 mm	5 mm	10 mm	15 mm	20 mm
2 x 2 cm	1.3 (Calculation done for a separation between tiles of 4 mm)				
15 x 15 cm	0.27	0.68	1.36	2.04	2.72
15 x 20 cm	0.24	0.60	1.19	1.79	2.40
20 x 20 cm	0.20	0.51	1.02	1.63	2.05
25 x 33 cm	0.14	0.36	0.72	1.08	1.45
30 x 40 cm	0.12	0.30	0.60	0.89	1.20
40 x 60 cm	0.09	0.21	0.43	0.64	0.85
45 x 80 cm	0.07	0.18	0.35	0.53	0.70

$$((A+B)/Ax B) \times C \times D \times 0.17 = \text{Kg/m}^2$$

Where:

- A: Width of the tile (cm)
- B: Length of the tile (cm)
- C: Thickness of the (cm)
- D: Width of the joint (cm)

size:
5kg





product technical specification

Classification according to UNE-EN 13888 CG2 A W

Classification according to ISO 13007-3 CG2 F A W

Application Data and Aspect:

Aspect	White and colour range
Application temperature	+5°C to +30°C
Mix duration	20 - 25 minutes
Waiting time for finishing	15 - 30 minutes
Trafficability	3 hours*
Put into service	24 hours* (48 hours in tanks and pools*)

Output:

Compression resistance after 24 hours	>15 N/mm ² (EN 12808-3)
Flexural resistance after 28 days	>5 N/mm ² (EN 12808-3)
Compression resistance after 28 days	>30 N/mm ² (EN 12808-3)
Flexural resistances after frost/thaw cycles	>5 N/mm ² (EN 12808-3)
Compression resistance after freeze/thaw cycles	>30 N/mm ² (EN 12808-3)
Retraction	<1.5 mm/m (EN 12808-3)
Abrasion	<700 mm ³ (EN 12808-2)
Water absorption after 30 minutes	<0.2 g (EN 12808-5)
Water absorption after 240 minutes	<0.5 g (EN 12808-5)
Service temperature	-20°C to +80°C
Resistance to acids	Good (pH>3)
Resistance to alkalis	Optimum
Resistance to oils and solvents	Optimum

* Statistic results obtained under standard conditions, at +23°C and 50% relative humidity

size:
5kg





PLEASE NOTE:

If you are unsure with any of our instructions, please consult our **Technical Department on 0870 9090 001.**

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Technical Data Sheet Version Number: VA.SN.T01

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