



A multi-purpose flexible fast set adhesive for up to 30mm bed depth, particularly suited to the rapid and secure installation of large format rectified porcelain tiles.

- ▼ Grout after 3 hours
- ▼ Full foot traffic after 6 hours
- ▼ Highly deformable
- ▼ Highly thixotropic
- ▼ Long open time
- ▼ High yield
- ▼ White version suitable for use on clear and translucent natural stones
- ▼ Suitable for use on heated screeds
- ▼ For internal and external use

Pot Life: 30 mins
Walk on After: 3 hours
Grout After: 3 hours
Consumption: 3.5-8kg/m²
EN 12004 C2 FTE S1

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 Velox is a specially-formulated cement-based powder adhesive with additives, aggregate and polymers.

It is designed for the installation of natural stone, ceramics and porcelain stoneware tile coverings suitable for a wide range of thickness's and sizes, fixed to substrates including those with limited amounts of dimensional instability, and/or with non-absorbent or low-porosity surfaces.

Owing to its advanced formula, Validus Velox is perfect for double-notch adhesive method, especially for calibrated stone and tiles. The intentional flexibility allowable of mixing ratio allows the user to achieve perfect consistency, for the perfect installation.

CE size: **20kg**



PACKAGING:

Stock Code	Colour	Size	Packaging
7360	White	20kg	42 bags per pallet
7361	Grey	20kg	42 bags per pallet



SUITABLE SUBSTRATES OR USES:

- ▼ Walls and floors
- ▼ Interior and exterior use
- ▼ Concrete and cement screeds
- ▼ Anhydrite screeds
- ▼ Cement based & gypsum-based boards
- ▼ Cement and polymer based flexible waterproofing membranes
- ▼ Heavy duty or trafficked areas
- ▼ On top of old wall & floor tiles

CONSUMPTION:

The consumption of Validus Velox changes depending on the laying surface, system used and the trowel size. As a guide:

Notched Trowel Size	Approx Consumption kg/m ²
4 mm	1.8
8 mm	3.5
10 mm	4-5
20 mm	8-10

MAXIMUM TILE SIZES:

Maximum length of longest tile side:

- ▼ Internal Floor: 3600mm
- ▼ External Floor: 1200mm
- ▼ Internal Wall: 3600mm
- ▼ External Wall: 900mm

MIXING RATIO:

As a guide for powder to water ratio, 20kg of Validus Velox requires approximately 5.40 – 6.60 litres of water.

Allow the product to stand for about 2 minutes, then remix. The adhesive is now ready for use and must be used within 30 minutes.

CE size:
20kg





PRODUCT PREPARATION:

Mix the quantity that you can comfortably use within the product's pot life (As a guide, 30 minutes at 23°C and 50% RH). Never add water to buy back lost fluidity as doing this will impair the final bond strength. Product that has begun to set must be discarded.

Mix Validus Velox with clean water, until you achieve adhesive of a smooth and lump-free homogeneous consistency.

INSTRUCTIONS FOR USE:

Before starting, all substrates must be clean, dry and strong enough to support the weight of the tiles, tile adhesive and grout. Remove all dust, dirt, oil, grease and other contaminants that may affect adhesion.

Validus Velox must be applied as a smooth and continuous uniform layer, using a notched trowel, suitable to tiles sizes to be fixed. Validus Velox can be applied to a maximum bed thickness of 30mm.

Ensuring the adhesive is still moist, bed tiles into adhesive, ensuring full coverage of adhesive between tile and substrate. Protect the surface from frost until the adhesive is fully set.

Clean surplus adhesive from the tiles and joints as soon as possible as set adhesive will prove very difficult to remove later. Clean tools after use with water.

Product for professional use only.

GROUTING:

In ideal conditions grouting can begin after 3 hours. Foot traffic can be accepted after 6 hours. This time can vary depending on temperature and site conditions. Impervious surfaces may extend the set time.

The recommended grout for use with Validus Velox is Validus Sono.

CE size:
20kg





product technical specification

Classification EN 12004:	C2 FTE S1
Basis:	Cement, aggregates, additives
Colour:	White and Grey
Apparent mass volume:	1.1 kg/m ³
Maximum grain size:	0.3mm
Storage and Duration:	12 months in the original closed packaging in a cool & dry place
Danger of harm:	Possible irritation of the eyes and skin upon contact
Flammability:	No
Mixture ratio:	5.40 – 6.60 litres of water per 20kg
Mixture consistency:	Creamy Paste
Mass volume of paste:	1.7 kg/dm ³
Application temperature:	From + 5° C to + 35° C
Pot Life:	30 minutes*
Open time:	20 minutes*
Vertical slip according to EN1308:	< 0.5mm
Maximum thickness:	30mm
Grout after	3 hours*
Foot traffic:	3 hours*
Full service conditions after:	6 hours*
Final hardening:	3 days*

Final Performance:

Adhesion at start (after 28 days):	> 1.0 N/mm ²
Adhesion after warming:	> 1.0 N/mm ²
Adhesion after water immersion:	> 1.0 N/mm ²
Adhesion after frost-thaw cycles:	> 1.0 N/mm ²
Deformable according to	2.5mm
DIN EN 12004 (medium):	
Temperature resistance:	From -30 °C to +90 °C

* at 23°C and 50% relative humidity

CE size: 20kg





PLEASE NOTE:

Validus Velox complies with the requirements of Reg. (CE) N. 1907/2006 (REACH) - All. XVII, 47.

Use of the product beyond the declared shelf life may increase the risk of an allergic reaction.

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.VX.T01

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