



A flexible, pourable thick-bed adhesive for up to 20mm bed depth, for the installation of natural stone, ceramic and porcelain tiles in a wide range of applications.

- ▼ Grout after 12 hours
- ▼ Full foot traffic after 24 hours
- ▼ Highly deformable
- ▼ Thixotropic – resistant to vertical slip
- ▼ Low Dust
- ▼ Long open time
- ▼ High yield
- ▼ Suitable for use on heated screeds
- ▼ For internal and external use

Pot Life: 3 hours
Walk on After: 12 hours
Grout After: 12 hours
Consumption: 3.5-8kg/m²
EN 12004 C2 TE 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.

The addition of Validus Adde improves flexibility to a S2 classification deformability (see mixing chart for correct mixing proportions).

TECHNICAL FEATURES:

Validus Sero is a specially-formulated thixotropic cement-based powder adhesive with aggregates and high-performance resin-based additives.

It is designed for the installation of natural stone, ceramics and porcelain stoneware tile coverings suitable, fixed to substrates including those with limited amounts of dimensional instability, and with the capacity to support wall tiling without battening.

With its compositional flexibility allowing for a variance of water content, the full wetting of surfaces can be achieved even without the double-notch method.

CE size: **20kg**



PACKAGING:

| Stock Code | Colour | Size | Packaging |
|------------|--------|------|--------------------|
| 7365 | White | 20kg | 42 bags per pallet |
| 7366 | Grey | 20kg | 42 bags per pallet |



SUITABLE SUBSTRATES OR USES:

- ▼ Walls and floors
- ▼ Interior and exterior use
- ▼ Can be used on non-porous porcelain tiles, and most natural stones (except moisture-sensitive stones) and glass mosaics
- ▼ Concrete and cement screeds*
- ▼ Anhydrite screeds*
- ▼ Cement based & gypsum-based boards*
- ▼ Swimming pools
- ▼ Terraces or balconies
- ▼ Cement and polymer based flexible waterproofing membranes
- ▼ Heavy duty or trafficked areas
- ▼ On top of old wall & floor tiles

* Surfaces must be primed using Validus Para

CONSUMPTION:

The consumption of Validus Sero 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:

For a thixotropic mix: As a guide for powder to water ratio, 20kg of Validus Sero requires approximately 6.40 litres of water.

For a pourable thick-bed mix: As a guide for powder to water ratio, 20kg of Validus Sero requires approximately 7.60-8.00 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 Sero 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.

Absorbent substrates and gypsum or calcium-sulphate based substrates should be primed with Validus Para prior to using Validus Sero. See Validus Para datasheet for correct application according to specific substrates.

Validus Sero is best applied in a uniform layer, using a notched trowel to comb to a consistent depth, as is appropriate for the type of and size of tiles to be fixed. Validus Sero can be applied to a maximum bed thickness of 20mm.

Ensuring the adhesive is still fresh, bed tiles into adhesive, ensuring full coverage of adhesive between tile and substrate. Where risk is present, protect the surface from frost until the adhesive is fully set.

Clean surplus adhesive from the tiles and joints as soon as possible; set adhesive will become increasingly difficult to remove. Clean tools after use with water.

Product for professional use only.

GROUTING:

In ideal conditions grouting can begin after 12 hours. Foot traffic can be accepted after 24 hours. This time can vary depending on temperature and site conditions. Impervious surfaces may extend the set time.

In the first 48 hours after application, the adhesive does not withstand frost. Full service after 7 days, depending on the tile format, substrate and environment temperature.

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

CE size: 20kg





product technical specification

| | |
|------------------------------------|---|
| Classification EN 12004: | C2 TE 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: | 6.40 litres of water per 20kg 7.60-8.00 litres of water per 20kg as a pourable mix |
| Mixture consistency: | Creamy paste |
| Mass volume of paste: | 1.7 kg/dm ³ |
| Application temperature: | From + 5° C to + 35° C |
| Pot Life: | 3 hours* |
| Open time: | 30 minutes* |
| Vertical slip according to EN1308: | < 0.5mm |
| Maximum thickness: | 20mm |
| Foot traffic: | 12 hours* |
| Grout after: | 12 hours* |
| Full service conditions after: | 7 days* |
| Final hardening: | 28 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 DIN EN 12004 (medium): | 2.8mm |
| Temperature resistance: | From -30 °C to +90 °C |

* At 23°C and 50% relative humidity

CE size: 20kg





PLEASE NOTE:

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

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.SO.T01

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