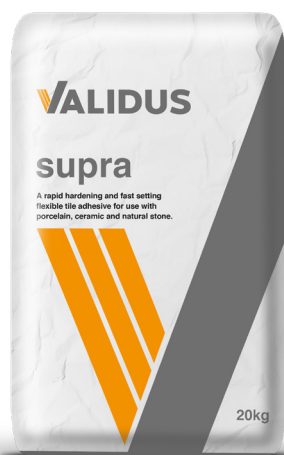


supra | technical data sheet



A rapid hardening and fast setting flexible tile adhesive.

- ▼ Grout after 3 hours
- ▼ Light foot traffic after 6 hours
- ▼ Increased flexibility
- ▼ Rapid setting
- ▼ Ideal for use with porcelain, ceramic and natural stone
- ▼ Ideal for use with large format slabs
- ▼ 15mm bed thickness
- ▼ Suitable for use on heated screeds
- ▼ For internal and external use

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

Pot Life: 30 mins
Grout After: 3 hours
Walk on After: 6 hours
Full Service: 3 days
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 Supra is a flexible adhesive with high strength cements, graded particle size aggregates, special synthetic resins and additives.

Its formula has been developed to achieve an adhesive suitable lay marble, natural stone, porcelain and ceramic tiles on a variety of surfaces including non-absorbent substrates.

Validus Supra is suitable for application on wooden surfaces subject to slight deformation including floorboards, chipboard and plywood overlays.

Thixotropic for wall, fast-setting but with an extended open-time for maximum workability. Achieve bed depths up to 15mm thick while maintaining dimensional stability.

M40 SPECIFICATION:

Floor and wall coverings must be applied with a flexible, fast setting, cement-based adhesive, classified C2 FTE S1 in accordance with EN 12004, such as Validus Supra by Validus Adhesives.

Or:

Floor and wall coverings must be applied with a flexible, fast setting, cement-based adhesive, classified C2 FTE S2 in accordance with EN 12004, such as Validus Supra by Validus Adhesives when mixed with 5 kg of Validus Adde per bag and 0.6kg water (White) 0.25kg water (Grey). Follow TDS.

PRODUCT IDENTIFIERS:

Stock Code	Colour	Size	Packaging
7380	White	20kg	42 bags per pallet
7381	Grey	20kg	42 bags per pallet

CE size: **20kg**



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SUITABLE SUBSTRATES OR USES:

- ▼ Walls and floors
- ▼ Interior and exterior use
- ▼ Concrete and cement-based screeds and plasters
- ▼ Heavy duty or trafficked areas
- ▼ Flexible cement and polymer based flexible waterproofing membranes
- ▼ Wooden substrates and boards*
- ▼ On top of old wall & floor tiles*
- ▼ Standard or waterproof plasterboard

* Interior surfaces only.

N.B. On absorbent surfaces such as concrete and bricks a primer is recommended.

CONSUMPTION:

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

Notched Trowel Size	Consumption kg/m ² (When double spreading)	Consumption kg/m ² (When single spreading)
6 mm	7 - 7.5kg	3.5kg
8 mm	9 - 10kg	5kg
10 mm	10 - 12kg	6kg
15 mm	Max 18kg	9kg

The consumption varies according to the evenness of the substrate, and the trowel notch size deployed, and the laying/ bonding method.

Suggested tile size as table below:

Substrate	Tile Surface (cm ²)	Laying System	Trowel Size
Internal Floor	S < 1100	Single Face	8/10 mm
Internal Floor	1100 < S < 3600	Double Face	10/15 mm
Internal Floor	3600 < S < 10000	Double Face	15 mm
External Floor	400 < S < 1100	Double Face	8/10 mm
External Floor	1100 < S < 3600	Double Face	10/15 mm
Internal Wall	S < 400	Single Face	6 mm
Internal Wall	400 < S < 2000	Double Face	8/10 mm
Internal Wall	2000 < S < 3600	Double Face	10 mm
External Wall	S < 400	Double Face	6
External Wall	400 < S < 2000	Double Face	8/10
External Wall	2000 < S < 3600	Double Face	10

C2 size: 20kg



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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 Supra requires approximately 5.6kg for White, 5.2kg for Grey, of water.

The formula allows scope to customise, up to +2% variance, to achieve desired consistency.

Mix with a mechanical aid, such as a paddle mixer, to a smooth consistency. 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.

PRODUCT PREPARATION:

Mix the quantity that you can comfortably use within the product's pot life (As a guide, 15 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 Supra with clean water, until you achieve adhesive of a smooth and lump-free homogeneous consistency.

SUBSTRATE PREPARATION:

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.

- ▼ Do not use on gypsum or anhydrite screeds
- ▼ Do not use on plastic or metal substrates
- ▼ Do not use on substrates which are subject to rising damp

INSTRUCTIONS FOR USE:

Validus Supra must be applied as a smooth and continuous uniform layer, using a notched trowel, suitable to tiles sizes to be fixed. Validus Supra can be applied to a maximum bed thickness of 15mm.

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 difficult to remove later.

C2 size:
20kg



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Clean tools after use with water.

Product for professional use only.

GROUTING:

In ideal conditions grouting can begin after 3 hours. Light 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.

In the first 12 hours after application, the adhesive does not withstand frost.

The area can be returned to full service after 3 days, depending on the tile format, substrate and environment temperature.

The recommended grout for use with Validus Supra is Validus Aspecto or Validus Resino.

CLEANING:

Tiling should be cleaned with a damp cloth or sponge when the adhesive has already started to set, to avoid dislodging tile covering during this process.

Allow 24 hours after completion of tiling before cleaning with larger quantities of water.

PACKAGING:

Validus Supra is packaged in 20kg poly-lined paper bags.

STORAGE:

Validus Supra 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.

PLEASE NOTE:

Validus Supra complies with the requirements of Reg. (CE) N. 1907/2006 (REACH) - AII. 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**

The information contained in this technical data sheet is given voluntarily and in good faith. It is to the best of our knowledge true and accurate; however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or possibility of variations of working conditions and of workmanship outside our control.

CE size: **20kg**



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defining design



product technical specification

Classification EN 12004	C2 FTE S1
Basis:	Cement, aggregates, additives
Colour	White and Grey
Apparent mass volume	1.20 kg/dm ³
Maximum grain size	0.5mm
Storage and Duration	12 months in the original closed package in a cool dry place.
Danger of toxicity	No. The product may cause irritation to the eyes and skin due to presence of cement.
Inflammable	No
Mixture ratio	White: 5.6 litres of water per 20 kg bag Grey: 5.2 litres of water per 20 kg bag
Mixture consistency	Creamy
Density of paste	1.65 kg/dm ³
Application temperature	From + 5°C to + 35°C
Pot Life	30 minutes*
Open time	30 minutes
Vertical slip according to EN 1308	< 0.5 mm
Maximum thickness application	15mm
Foot traffic	2-3 hours
Grouting	3 hours
Full service	3 days
Final hardening	7 days
Adhesion (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 freeze-thaw cycles	> 1.0 N/mm ²
Deformability according EN 12004	2.5mm
Temperature resistance	From -30° C to +90° C

* at 23°C and 50% relative humidity



health and safety data



H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
P261	Avoid breathing dust/fume/gas/mist/vapours/ spray
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302/P352	IF ON SKIN: Wash with plenty of soap and water
P304/P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305/P351/P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do
P312	Call a POISON CENTRE or doctor/physician if you feel unwell

Technical Data Sheet Version Number: VA.SA.T01

The information contained in this technical data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.