



Fibre-reinforced rapid-setting cement-based self-levelling compound.

- ▼ Fibre reinforced
- ▼ Flexible, polymer modified
- ▼ Suitable for use over underfloor heating
- ▼ Fast curing, accepts foot traffic after 3 hours
- ▼ Low VOC emissions
- ▼ Can be pump applied
- ▼ For interior application only

TECHNICAL FEATURES:

Validus Planum is used for smoothing and levelling out differing heights in subfloors prior to the installation of natural stone or ceramic and porcelain tiles.

It can be applied from 1 to 50 mm thick in one pour.

Its high flexural strength and fibre content make it ideal for use over underfloor heated applications.

Pot Life: 30 mins

Walk on After: 3 hours

Consumption: 1.65kg/m²

EN 13813:2004

CT C30 F7

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.

SUITABLE SUBSTRATES OR USES:

- ▼ Timber substrates including plywood overlays
- ▼ Old substrates with bonded adhesive and levelling compound residues
- ▼ For the restoration and repair of wooden floors and additionally for screeds and substrates in old and new construction
- ▼ For producing flat, absorbent, high strength installation surfaces for textile and elastic floor finishes as well as for ceramic tiles
- ▼ Suitable for use on heated substrates

CE size: 20kg



PACKAGING:

Stock Code	Colour	Size	Packaging
7357	Grey	20kg	42 bags per pallet



PRODUCT PREPARATION:

Depending on the substrate, prime the surface using Validus Para or Validus Tenaci (dependent on substrate – refer to the Validus Para and Validus Tenaci datasheets for correct application) and allow to dry.

Mix Validus Planum with 4.4 - 4.8 litres clean water, until you achieve a smooth and lump-free homogeneous consistency. Occasionally clean around the wall of the mixing bucket to re-combine unmixed material on to the sides back into the body of the mix. It is recommended that a mixer with an approx. speed of 500-700 rpm is used.

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

SUBSTRATE PREPARATION:

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

Remove impairing or separating layers by mechanically brushing, abrading, scabbling or shot blasting.

Prior to the installation of Validus Planum on cement-based bonded or floating screeds, the moisture content when measured by a carbide hygrometer (CM device) must not exceed:

- ▼ Cement-based screed on insulation or separating layers in interior areas: 2%
- ▼ Calcium sulphate screeds without underfloor heating: 0.5%
- ▼ Calcium sulphate screeds with underfloor heating: 0.3%
- ▼ Gypsum based plaster: 1%

Wooden substrates must be clean, dry and load-bearing. Replace damaged floor boards. Secure loose, springy or squeaking boards or sheets with screws. Chipboard must be laid with staggered joints, screwed and glued.

CE size: 20kg





INSTRUCTIONS FOR USE:

Pour Validus Planum onto the primed substrate and evenly spread with a spiked roller or trowel. Ensure application and working to final position is achieved within the pot life.

De-aerate the liquid layer with a spiked roller to encourage to flow. This will also help to achieve product's optimum hardness. Do not force-dry. There is a risk of cracking through rapid water loss in heated rooms or highly absorbent substrates.

Before installing finishes, the Validus Planum must be fully dry. We recommend that moisture measurements are carried out with a carbide hygrometer.

Ventilation on site is necessary. Avoid draughts during the application and curing process as well as direct sunlight.

The floor and interior temperature must be at least +5°C during application and for the week after. Dehumidifiers may only be used after the first 3 days.

Clean any surplus as soon as possible as levelling compound will become increasingly difficult to remove. Clean tools after use with water.

Product for professional use only.

CE size:
20kg





product technical specification

Classification EN 13813:	CT C30 – F7 E fl
Basis:	Premixed in powder
Colour:	Grey
Apparent mass volume:	1.300 kg/m ³
Storage and Duration:	12 months in the original closed package in a cool dry place
Danger of harm:	Possible irritation of the eyes and skin upon contact
Flammability:	No
Mixture ratio:	4.4 - 4.8 litres of water per 20kg bag
Mixing time:	3 - 5 minutes
Mixture consistency:	Fluid mortar
Mass volume of paste:	1800 kg/m ³
Application temperature:	From + 5° C to + 35° C
Pot Life:	30 minutes
Thickness of relative humidity:	From 1mm to 50mm
Maximum grain size of relative humidity:	0.5mm
Foot traffic:	After approx. 2 - 3 hours*
Ceramic tiles lay after:	All thickness's: After 24 hours
(subject to residual humidity check < 4%)	
Marble and stable natural stone lay after:	Thickness < 6mm: After 24 hours
(subject to residual humidity check < 3%)	Thickness > 6mm: After 48 hours
Wood and resilient lay after:	Thickness < 6mm: After 24 hours
(subject to residual humidity check < 2%)	Thickness > 6mm: After 72 hours
Final hardening:	7 days

Final Performance:

Compression strength after 24 hours:	14 N/mm ²
After 7 days:	28 N/mm ²
After 28 days:	30 N/mm ²
Flexural strength after:	3 N/mm ²
After 7 days:	7 N/mm ²
After 28 days:	7 N/mm ²
Temperature resistance:	From -30°C to +90°C

* Data references taken on floating screeds with thickness ≤ 5 cm at 23°C and 50% relative humidity

CE size: 20kg





PLEASE NOTE:

Validus Planum 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.PM.T01

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