



Multiplan SIC

Wear-resistant floor levelling compound

| Colour | Availability | |
|--------|---------------------|--------|
| | Quantity per pallet | 42 |
| | Size / Quantity | 25 kg |
| | Type of container | PE bag |
| | Container code | 25 |
| | Art. no. | |
| grey | 2804 | ■ |

Application rate

Approx. 1.9 kg/m²/mm layer thickness (min. layer thickness 6 mm)
 Single layer thickness 6 - 15 mm
 Layer thickness in broken-out areas up to 30 mm
 Determine the precise quantity needed on a suitably large trial area.

Range of use



- Mineral substrates
- Directly usable levelling layer
- Industrial applications

Property profile

- Fast curing
- Low-stress and crack-free setting
- High surface hardness

Characteristic data of the product

| | |
|-------------------------------------|--|
| Flow spread | Approx. 125 mm (DIN EN 12706) |
| Bulk density | Approx. 1.45 kg/l powder |
| Ready to be covered | Foot traffic after 3-4 hours Vehicle traffic after 48 hours (soft tyres) Chemical compaction after 6-8 hours |
| Compressive strength (28 d) | ≥ 30 N/mm ² |
| Flexural tensile strength (28 days) | ≥ 8 N/mm ² |
| Hardened mortar bulk density | Approx. 2.2 kg/dm ³ |
| Adhesive pull strength | ≥ 1.5 N/mm ² |

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.



Possible system products

- Epoxy ST 100 (1160)
- Hydro Seal BE (1290)

Preparation

■ Substrate requirements

Clean, dust-free and capable of supporting a load.

Prepare the substrate by suitable means, e.g. steel ball jetting or diamond grinding, so that it meets the requirements specified above.

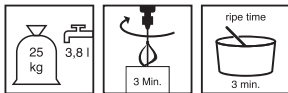
The tensile strength of the surface of the substrate must be at least 1.5 N/mm² on average (smallest individual value of at least 1.0 N/mm²), and the compressive strength must be at least 25 N/mm².

■ Substrate preparation

Expansion joints, movement joints and edge joints must be retained. Apply strips of insulation material to rising components to prevent the compound from flowing into the connection joints.

Prime using epoxy resin and blind with Quartz 07/12.

Production of the mixture



■ Mixing

Water quantity required: 3.8 l water on 25 kg product*

Pour water into a clean container and add dry mortar.

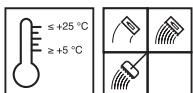
Mix thoroughly for approximately 3 minutes until the proper consistency for working has been achieved.

Leave to mature for approx. 3 minutes

Then use a suitable stirrer to slowly and briefly mix the compound.

* Natural fillers lead to slight deviations in the amount of water required. The optimum water quantity depends on the building site conditions and the layer thickness.

Directions



■ Conditions for use

Temperature of the material, air and substrate: from min. +5 °C to max. +25 °C.

Low temperatures increase, while high temperatures decrease the working and setting time.

■ Working time (+20 °C)

Approx. 30 minutes

After mixing, pour the material continuously onto the surface to avoid seams and distribute.

The quality of the surface can be improved by working it over with a spiked roller.

Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.

Protect wet mortar surfaces against frost, rain and drying out too quickly for at least 4 days.

Apply only in single layers.

Natural aggregates cause slight differences in water demand.

Notes

May contain traces of pyrite (iron sulphide).

The mixing water must be of drinking water quality.

Low chromate content in accordance with Directive 2003/53/EC.

The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.

Always set up a trial area/trial areas first.



Aesthetic appearance cannot be assured.
 Contains highly abrasive hardener which may lead to elevated levels of wear on the machine technology used.

Tools / Cleaning

Mixing apparatus, transport/pouring bucket, scraper, spiked roller



Clean tools with water while the material is still fresh.

Storage / Shelf life

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for 9 months.



Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Declaration of performance

➤ **Declaration of performance**

Declaration of conformity



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CE 09 / UKCA 21

GBI P11-2
 EN 13813: 2002
2804

Cementitious screed material for use internally in buildings
 EN 13813: CT – C30 – F8 - A12

| | |
|----------------------------------|-----|
| Reaction to fire: | E |
| Release of corrosive substances: | CT |
| Compressive strength: | C30 |
| Flexural strength: | F8 |
| Wear resistance: | A12 |



Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.