BUILDING TRUST

PRODUCT DATA SHEET

SikaScreed®-110

ECONOMICAL PRE-BLENDED ENGINEERED SCREED

DESCRIPTION

SikaScreed®-110 is a pre-blended engineered screed consist of graded sand, portland cement and additives especially formulated for ease of application.

USES

SikaScreed®-110 is applied in combination with suitable materials from Sikafloor®, Sikabond®, Sikadur® , Sikatile®, Sikalastic® and Davco product ranges.

- Internal and external use
- Bonded screed from 15 - 100mm
- Unbonded screed from 30 - 100mm
- Wet & dry area requiring falls

FEATURES

- Pre-mixed screed - binder with selected aggregates
- Good working time
- Best for tiling and waterproofing system
- Suitable for residential or comemrcial flooring installation

PRODUCT INFORMATION

Composition	Selected aggregates, portland cement, & special additives
Packaging	20kg Bags
Appearance and colour	Grey powder
Shelf life	Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment
Storage conditions	Bags must be stored off the floor. Avoid sitting bags in direct sunlight prior to application.
Compressive strength	1 day: ~10 MPa 7 days: ~15 MPa 28 days: ~25 MPa

APPLICATION INFORMATION

Mixing ratio	1.8 - 2.1 Litres of clean water per 20kg bag
Consumption	1 full bag will cover approximately 1m² per 10mm thickness
Layer thickness	Bonded: 15 - 100mm Unbonded 30 - 100mm
Pot Life	Approximately 2 hours at 23ºC & 50% RH
Curing time	Approximately 8 hours Foot traffic after 24 hours at 23ºC & 50% RH Allow 7 days for full cure. Actual drying varies with site conditions and thickness

SYSTEM INFORMATION

System structure	▪ Bonded screed: equal parts of Lankolatex 751 & portland cement ▪ Unbonded screed: use polyethylene sheet

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Manufactured in Australia.

IMPORTANT CONSIDERATIONS

LIMITATIONS

- The performance of the screed is compromised when used above 35C and below 5C.
- Do not apply over substrate that may be subject to shrinkage after application.
- SikaScreed®-110 is designed to be covered by tile, coating and other flooring overlayment. It must not be left exposed.
- Subsequent materials must be deemed as suitable for covering of the screed.
- Efflorescence is beyond the control of the manufacturer.
- Expansion joints must be installed as per AS ISO 3958:2023
- Other installation standards must be followed.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxological and other safety related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

- Substrate must be structurally sound, clean, dry, and free of dust, effloresence, grease, laitance, coatings and other surface contaminants.
- Mechanical prepare the concrete to provide suitable key.
- Fix compressed fibre-cement sheet in accordance to manufacturer's instructions
- For bonded screed - concrete must be porous and accept water penetration. Test by lightly sprinkling water on areas of the substrate. If water penetrates, then primed using slurry coat of equal parts of Sika Lankolatex 751 & portland cement. Screed should be applied whilst the primer is still wet.
- If subject to high moisture reading or hydrostatic pressure, use Sikafloor Moisture Barrier System (Sikafloor®-158 W Fast Barrier + Sikafloor®-14 Prep N Prime Impact + Lankolatex 751/GP cement).

MIXING

Use 1.8 - 2.1L of clean water per 20kg bag. Slowly add powder to measured clean cool water and mix thoroughly for 2-3 minutes until a homogeneous semi-dry consistency is achieved. Install mixed product immediately.

APPLICATION

- Place and compact screed over the prepared surface, level using a straighedge and finish with a float.
- For **bonded screed application** (15 - 100mm), a slurry coat primer must be applied prior to placement of SikaScreed®-110. It is applied wet on wet. Do not let the slurry coat primer to dry / skin. Bonded screeds above 50mm must have galvanized wire or Sika Confibre 19F installed as per AS 3958:2023.
- For **un-bonded screed application** (40 - 100mm): lay 2 layers of polyethylene film on the substrate and tape the joins. Place the mixed SikaScreed®-110 onto the polyethelene film and reinforce with galvanized wire or Sika Confibre 19F as per AS 3958:2023. Screed to falls and desired heights should be created during this process.
- Use Sika Confibre 19F for over 50mm to reduce the incidence of plastic shrinkage cracking. Add 0.9kg (1 bag) per cubic metre of screed.

CLEANING OF EQUIPMENT

Clean all tools and equipment with warm water and detergent before the product hardens.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika

products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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