

PRODUCT DATA SHEET

Sikafloor®-215 Rapid Screed

FAST-DRYING PRE-BLENDED ENGINEERED SCREED

DESCRIPTION

Sikafloor®-215 Rapid Screed - a premium screed that is easy to apply with good working time, but also reaches a high strength with low moisture within 24hrs.

USES

Sikafloor®-215 Rapid Screed is applied in combination with suitable materials from Sikafloor®, SikaBond®, Sikadur®, SikaTite® & Davco® ranges

Applications are as follows

- > Internal & external space
- > Bonded screed from 10mm - 100mm
- > Un-bonded screed from 30mm - 80mm

CHARACTERISTICS / ADVANTAGES

- Pre-mixed binder with selected aggregates
- High strength – ~40MPa after 28 days
- Good working time 20-30min @ 23°C
- Low shrinkage
- Tiles may be installed after 15hrs
- Suitable for all residential or commercial flooring installation

APPROVALS / CERTIFICATES

Complies with the requirements noted in Section 1.3.12 & 3.3 of AS 1884:2021
Floor Coverings - Resilient sheet and tiles - Installation practices

PRODUCT INFORMATION

Composition	Selected aggregates, cements, & additives
Packaging	20kg Bag - 48 bags per pallet
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.
Appearance and colour	Grey powder with aggregates

TECHNICAL INFORMATION

Compressive strength	~22 MPa at 1 day ~40 MPa at 28 days
Tensile strength in flexure	~7 MPa at 28 days
Reaction to fire	No hazardous combustion products are known

SYSTEM INFORMATION

System structure	Bonded Screed	Un-bonded Screed
	Lankolatex 751 & GP cement mixed 1:1	Polyethylene sheet
	Sikafloor®-215 Rapid Screed	Sikafloor®-215 Rapid Screed
	Subsequent suitable materials	Subsequent suitable materials

APPLICATION INFORMATION

Mixing ratio	1.9 - 2.1 Litres of clean, cool water
Yield	10L = 1m ² @ 10mm
Ambient air temperature	5°C - 35°C
Pot Life	20 - 30 minutes @ 23°C
Waiting time to overcoating	Allow 15 hours at 23°C prior to the application of tile or levelling systems. Allow 3 days at 23°C for impervious floor coverings or membranes. Drying is dependent on thickness of application, temperature, air flow & relative humidity. Increased air flow will help with drying speeds in cooler temperatures.

BASIS OF PRODUCT DATA

Manufactured in Australia.

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.

IMPORTANT CONSIDERATIONS

LIMITATIONS

- The performance of cement-based materials is compromised when used above 35°C or below 5°C.
- Do not apply over substrates that may be subject to shrinkage after application.
- Sikafloor®-215 Rapid Screed is designed to be covered and not left exposed for long periods of time.
- Efflorescence in cement-based materials is beyond the control of the manufacturer.
- Expansion joints and all other AS standards must be followed during the installation process.
- Subsequent materials must be deemed as suitable and manufactures installation processes 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, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

Mixing can be undertaken with:

- Slow speed mixing drill & pail
- Cement mixer
- Forced drum mixer

For best results a forced drum mixer or cement mixer is advised.

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete floors should be fully cured, structurally sound, clean, dry, and free of surface contaminants and dust for Eg. For bonded coats the concrete must be porous and accept water penetration. Test by lightly sprinkling water on areas of the substrate. If water penetrates, then a good bond with Lanko Latex 751 & Cement Slurry can be achieved. If water beads and fails to be absorbed by the concrete surface contaminants are present and loss of adhesion may occur. Contaminates that are present should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. If the concrete substrate has efflorescence or high moisture (RH) and moisture sensitive flooring is being installed Sikafloor® Moisture Barrier System may be considered (Sikafloor®-158 W Fast Barrier + Sikafloor®-14 Prep N Prime + Lankolatex 751/GP cement). Contact your local Sika® office for further information.

MIXING

Slowly add powder to the clean cool water and mix for a continuous 2-3 minutes. A semi-dry consistency must be achieved, but will form when pressure is applied. Install mixed product immediately. Not mixing for the recommended time or additional water may result in product irregularities and possible product failure.

APPLICATION

Bonded Screed Application 10mm - 100mm

For bonded screed applications a Bond/Slurry coat must first be applied prior to placement of Sikafloor®-215 Rapid Screed. Bonded screeds above 50mm must have galvanized wire installed as per AS 3958.1.

Un-bonded Screeds Application: 30 - 80mm

Lay 2 layers of polyethylene film on the substrate and tape the joints. Place the mixed Sikafloor®-215 Rapid Screed onto the polyethelene film and reinforce with galvanized wire as per AS 3958.1. Screed to falls and desired heights should be created during this process.

Bond/Slurry coat is Lankolatex 751/GP cement mixed 1:1 by ratio.

Apply Bond/Slurry coat to the substrate with a stiff broom making sure adequate slurry is observed on the surface. While the Bond /Slurry coat is still wet and tacky apply the Sikafloor®-215 Rapid Screed and compact (tamp). Screed to falls and desired heights should be created during this process.

Note: Should the Bond/ Slurry coat skin prior to placement of Sikafloor®-215 Rapid Screed, remove and replace prior to further product being installed.

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CLEANING OF EQUIPMENT

Clean all tools and equipment with warm water and detergent while the product is still wet.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.