

RAPID DRYING SCREED FOR INTERNAL AND EXTERNAL APPLICATIONS

189

BULK FILL SCREED

S U R F A C E P R E P A R A T I O N

LANKO

DESCRIPTION:

Lanko 189 is a self compacting cement based screed. It is rapid setting and shrinkage compensated. It can be applied from 10mm up to 100mm thick in a single pour and can be covered 24 hours after installation.

USES:

- Build up concrete levels
- Falls in wet areas
- Shower bases
- Ramp installation
- Shopping centre floor preparation

FEATURES:

- Pourable or trowelable
- High strength
- Shrinkage compensated
- Easy to apply
- Smooth texture
- Does not require a second coat
- Rapid strength gain
- Treat as concrete when cured
- Cover after 24 hours

SUBSTRATE PREPARATION:

- Surfaces, must be dry, structurally sound, clean, free of dust, dirt, wax, oil, grease, asphalt, mastic, latex compounds, adhesives, paint, gypsum based products, and other contaminants
- All concrete sub-floors must be fully cured and dry, in accordance with AS1884-1985
- New concrete must be six weeks old before covering
- Non-porous concrete must be mechanically abraded or acid etched
- Deeply contaminated substrates must be abraded to a clean, sound surface
- Any construction joints in the underlying sub-floor must be carried through the Lanko 189 to avoid cracking
- Contact the Lanko Technical Advice Line if uncertain

SUBSTRATE PRIMING:

- After preparation, prime the substrate with Lanko 124 Ultraprime
- Suitable priming is an important step that will help bonding to the substrate

- Use Lanko 124 Ultraprime directly from the container. Do not dilute
- If using on a very porous slab or in warm or windy conditions ensure the primer does not flash dry. Wet down the surface before priming if needed
- Use primer at the correct rate of 8 - 10m² per litre

MIXING INSTRUCTIONS:

- Mix mechanically using a drill and suitable paddle
- Concrete mixers or hand mixing is not suitable
- Always mix the powder into the water
- Add 2.2 – 2.7L of clean, potable water to a clean bucket and slowly add the powder while mixing
- Use 2.2L for lower slump and 2.7L for higher slump mixes
- Mix until smooth and lump free
- Do not add more water after initial mixing
- For any additional mixing instructions contact the Lanko Technical Advice Line

APPLICATION TECHNIQUES:

- Pour or work the mixed product onto the primed surface
- Use an appropriate trowel to work product to the required height and level
- Do not exceed 100mm in one application. If greater thickness is required allow to cure and reapply to required height
- For more information, contact the Lanko Technical Advice Line

COVERAGE:

A 20kg bag will cover approximately 12m² at 1mm thick (depends on mix consistency).

COATING OR COVERING:

- Lanko 189 may be coated or covered 24 hours after installation (under normal conditions)
- After curing the surface may be treated the same as concrete
- Most floor covering suitable for application onto concrete may be used
- Always follow the floor covering manufacturer's instructions

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CLEAN-UP INSTRUCTIONS:

- Clean equipment and surrounding areas with water immediately following use before material sets
- Contains cement and if allowed to dry may need to be removed mechanically

PRECAUTIONS:

- Do not mix or apply when temperatures are below 5°C or above 35°C
- Not intended for permanent immersion
- Use only on properly prepared concrete floors
- Suitable only for non structural applications
- A minimum thickness of 10mm is required to ensure adequate curing and strength gain
- Ensure all surface preparation and priming instructions are followed precisely
- Construction joints must be carried through the entire system
- Do not over-water, over-mix, or remix with additional water
- Any material that has started to set or stiffen must be discarded and not used
- Only use clean, potable water
- Do not add cement, lime, gypsum, plaster, bonding agents, aggregates or other materials
- Do not use on slabs with a high moisture content or area subject to rising damp
- Use Lanko 531 Epoxy Moisture Barrier if there is any possibility the sub-floor will be subject to rising damp
- Performance may be affected if used in hot or cold conditions in the first 24 hours after application
- Do not apply onto frozen or frost filled surfaces
- Not suitable for marine exposure
- Wherever possible, test areas are recommended, to ensure the suitability of the product for the intended use. This should include the floor finishing/covering

SHELF LIFE / STORAGE:

- Shelf Life is up to six months when stored unopened in a cool, dry elevated place and protected from moisture and high humidity

PACKAGING:

Lanko 189 Pro Level is available in 20kg polylined bags.

SAFETY:

- Product contains cement which can cause irritation due to high alkalinity
- Avoid breathing in dust and wear a suitable dust mask when handling powder
- Avoid skin and eye contact and wear suitable gloves, clothing and eye protection
- Always read the MSDS before handling or using. Copies are available from the Lanko website or from ParexDavco state offices

TECHNICAL DATA:

Appearance	Grey Powder	
Pot Life (20°C)	20 mins	
Mix Ratio (20kg bag)	2.2L	2.7L
Bulk Density	~2.25g/L	~2.15kg/L
Mixed Consistency	Trowelable	Flowable
Compressive Strength		
1 Day	26 MPa	23 MPa
28 Days	40 MPa	37 MPa
Initial Set (20°C)	75 mins	80 mins
Final Set (20°C)	80 mins	90 mins
Foot Trafficable (20°C)	3 hours	
Ready for Covering	24 hours	
Curing Time (20°C)	48 hours	

TECHNICAL SERVICE:

For application procedures or surface conditions not specified above, please contact:

**Lanko Technical Advice Line
1800 653 347**

technical@davco.com.au
www.lanko.com.au

DISCLAIMER:

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with Davco's specific instructions and to all relevant standards.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.