PRO GRIP

IT NEVER LETS GO

SELF LEVELLING SCREED 6
ADHESIVE
TECHNICAL DATA SHEET

PURPOSE

PRO GRIP SELF LEVELLING SCREED 6® has been specifically formulated as a high strength, 6 hour set cementitious underlayment used for levelling imperfect floors. When properly applied, it will produce a smooth hard surface suitable for installing tiles, carpets, and wooden flooring. This product can be applied up to 10mm thick in a single application.

RECOMMENDED FOR

Smoothing of uneven floors and the filling of voids prior to tiling.

BENEFITS & FEATURES

a) Excellent Workability
b) High flow and self-levelling
c) Shrinkage compensated

SUSTAINABLE DEVELOPMENT **GOALS**

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

ASK ABOUT OUR **PROGRIP**

WARRANTY **10 YEAR** WARRANTY

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MIXING INSTRUCTIONS

a. Wear appropriate safety gear before mixing (see MSDS for details).
b. Add 4.6 Lt of room temperature potable water into a clean container.
c. add the adhesive while mixing. The use of an electric drill & paddle at low speed is recommended.

d. Continue mixing until a smooth lump free consistency is achieved.
e. Let the mixture stand for 2 mins to ensure the chemical additives are fully dissolved. Remix for 30 sec before using. A small amount of additional water **(<200ml)** may be added to improve flow.
NOTE: if a white film appears upon the surface of the screed, then too much water has been added. To rectify, add small amount of powder and remix.

f. Remix if the mixture becomes heavy or stiff. Do not add extra water. Use within 3 hours.

SURFACE PREPARATION

Please ensure the installation is performed in strict accordance with SANS 10107:2011, The design and installation of ceramic tiling.

a. All surfaces to be levelled should be dry, clean, and free of dust.
b. Surface contaminants (release agents or laitance) should be removed with a mild acid wash followed by neutralizing and rinse wash. *Pro Care Grout Remover* and *Pro Care Heavy Duty Cleaner* are recommended. Organic fouling (fungi, algae) may be removed by washing with a strong bleach solution or *Pro Care Mould Remover*.

c. Newly constructed surfaces must be fully cured and settled. Wait the following periods before tiling:

New concrete or brick surfaces	6 weeks
Newly screeded floors:	2 weeks

d. Surfaces coated with paints, sealants, gypsum plaster or glues should be chipped to expose 80% of the substrate and primed before tiling.

e. Highly porous surfaces can negatively affect the bond strength of the adhesive. Check porosity by applying a small quantity of water to the surface. If it is rapidly absorbed in less than a minute, then the surface should be primed before tiling.

f. Very smooth dense surfaces (i.e. power-floated floors, off shutter concrete etc.) can be difficult to bond to. Prime the surface to ensure a strong durable bond.

g. Surfaces should be primed by applying a thick continuous coat (1 – 2 mm) of either *Pro Grip Basecoat Slurry* or a mixture of 2 parts *Pro Grip Basecoat* to 1 part *Pro Grip Keycoat*. The primer coat should be allowed to dry before tiling.

PRODUCT APPLICATION

a. Application needs to be performed in a continuous process to ensure good bonding and better levelling between different batches.

b. Keep adding material onto the floor until the entire area is filled to the desired thickness. A steal trowel may be used to level and move the material into corners.

c. Rolling the wet screed with a spiked roller will remove excess air and improve the smoothness and hardness of the finished floor.

d. If you are levelling an area of more than 5 square metres at a time, expansion joints must be used.

e. Ambient conditions (temperature and humidity) may affect the hardening times of the screed. Take care when first walking on the new floor especially in wet or cold conditions.

GENERAL APPLICATION INFORMATION

Please note that the performance of this product is strongly dependent upon the climatic conditions during application and upon the temperature of the substrate and mixing water. Do not apply this product when the ambient temperature or the temperature of the floor is below 10°C. The mixing water should be at room temperature i.e. 20 - 25°C. Warm water, high ambient temperatures and windy conditions will reduce setting times and negatively affect this product's strength development. This product has not been designed to be a final floor finish.

EXPANSION JOINTS

a. Perimeter expansion joints should be installed on all tiled surfaces – walls and floors.

b. Perimeter expansion joints should also be installed around any columns, staircases, windows, and any other projecting components.

c. These joints should be left empty and covered with skirting boards or if exposed, filled with a bond breaker and flexible Polyurethane sealant like *Pro Grip Expansion Joint Sealant*.

d. Intermediate expansion joints should be installed when the tiling span is longer than 5m on surface bed applications or 3m on suspended surfaces. Intermediate expansion joints should be installed over any structural expansion joints in the substrate. Fill with a bond breaker and a suitable Polyurethane sealant like *Pro Grip Expansion Joint Sealant*.

e. Movement joints must be incorporated at more frequent positions, should the application be subject to significant thermal or vibration movement.

*This guideline only serves as a basic manual for the surface preparation, product selection and installation procedure for this type of application. Each installation needs to be assessed on merits and the products used and the procedures followed should be in accordance with the SABS code for the design and installation of ceramic tiles (SABS 10107:2011).

PRECAUTIONS & LIMITATIONS

a. Install in moderate ambient conditions i.e. at temperatures between 10°C and 30°C and protect from excessive wind.

b. Adhere to good health and safety practises – wear rubber gloves and goggles to protect hands and eyes.

c. Keep adhesive away from children and pets. Do not ingest.

d. Do not wash excess material into drains. Allow to harden and dispose with solid waste.

TECHNICAL DATA

(@ 25°C & 50% Humidity) *Cold temperatures or non-porous substrates or tiles may extend the open and setting times*.

Initial Setting Time		± 1.5 hours
Final Setting Time		± 6 hours
Pot Life		± 45 minutes
Shelf Life		9 months if store in dry conditions
Coverage per 20 Kg bag		± 4.5 m^2 @ 2 – 3mm
Compressive Strength		25 Mpa
Flexural Strength		4 Mpa