



# SmartGrip 532 PLUS

Premium Tile Adhesive - Class C2S1TE

**SmartGrip 532 PLUS** is a high performance, polymer enhanced, flexible cementitious adhesive for installation of mosaic, ceramic, homogeneous, porcelain tiles & natural stone materials. It allows for quick and easy tile installation without any prior soaking of the tiles in water. **SmartGrip 532 PLUS** is designed for tiling of both interior and exterior areas for wall and floor to a wide range of substrates, including swimming pool areas. **SmartGrip 532 PLUS** is a high performance deformable cementitious adhesive with extended open time and is available in Grey or White color.

## FIELDS OF APPLICATION

For installation of ceramic, homogeneous, slate, granite & marble tiles and mosaics of every type (white body, red body, quarry, single-fired, double-fired, porcelain) on:

- Concrete
- Cement Plaster
- Drywall Concrete
- Cement Backer Board
- Cement Mortar Beds
- Interior & Exterior Wall

## BENEFITS

- Ease of use (only water required)
- Excellent tensile adhesion and flexibility
- Great deformability
- Extended open time
- Water resistant (suitable for wet areas such as swimming pools & toilets)
- Non-corrosive and Non-toxic
- Low emission and low toxicity (low VOCs)

## TECHNICAL DATA

• Tested in accordance to BS EN 1348 / BS EN 12004 & EN12002

PROPERTY	TYPICAL RESULTS
Tensile Adhesion Bond Strength @ 7 days	≥ 0.3 N/mm <sup>2</sup>
@ 28 days	≥ 1 N/mm <sup>2</sup>
Tensile Adhesion Bond Strength After Water Immersion @ 28 days	≥ 1 N/mm <sup>2</sup>
Tensile Adhesion Strength After Heat Ageing @ 28 days	≥ 1 N/mm <sup>2</sup>
Open Time (after less than 30 minutes)	≥ 0.5 N/mm <sup>2</sup>
Deformity	2.5 mm (minimum)
Slip Resistance	0.0 mm
Ready for Traffic	24 hours
Density of Mix	1300 - 1600 kg/m <sup>3</sup>
Coverage per bag	- 0.6 m <sup>2</sup> /kg/mm
Pot Life	45mins (subject to ambient temperature)

• All the data shown are based on controlled laboratory test (T=27±2°C and RH=60%)

## SURFACE PREPARATION

- All substrates must be sufficiently aged before tile installation. Concrete substrates must be at least 28 days old. For lightweight blocks, the drywall must be sufficiently cured and treated with a moisture sealer.
- Ensure substrates are free from oil, dust, grease, laitance or other contaminants.
- Dampen substrate (if highly absorbent) before spreading **SmartGrip 532 PLUS**.
- Defective and unsound substrates must be repaired prior to tile installation.

## **MIXING**

- Add 25 kg of **SmartGrip 532 PLUS** to 6.0 - 7.0 litres of clean water. Mix thoroughly using a power mixer until a creamy paste is achieved.
- Allow the mix to react for a few minutes and then thoroughly re-mix before using.

## **PLACING**

- Spread the adhesive onto the substrate using a 6 mm x 6 mm notched trowel for the installation of wall tiles up to 150 mm x 150 mm.
- For the installation of floor tiles or wall tiles larger than 150 mm x 150 mm use a 10 mm x 10 mm to a 12 mm x 12 mm notched trowel.
- Tiles with lugs, grooves or an uneven back must initially be butter coated with the adhesive, in addition to the adhesive being trowelled onto the substrate.
- A 6 mm x 6 mm notched trowel can be used to lay mosaic tiles.
- The recommended minimum final bed thickness is 3 mm.
- Do not spread more than 1 m<sup>2</sup> of adhesive at any one time.
- Press tiles firmly into position before the adhesive skins, ensuring that all the tiles are well bedded and that no voids occur under the tiles.
- Surface skin-overs can be checked by placing the tip of your finger lightly onto the tile adhesive bed. If the adhesive does not adhere to your finger, surface skin-over has already occurred. Re-trowel the adhesive bed in the opposite direction to break the skin.
- Occasionally, in order to ensure that full coverage is being maintained, a tile should be removed, the adhesive coverage noted and the tile be relaid accordingly.
- Grouting can be carried out 24 hours after the completion of tiling.

## **CURING & PROTECTION**

- Tiles laid with **SmartGrip 532 PLUS** must be protected from adverse weather conditions and loading for at least 24 hours.
- Allow adhesive to set for 24 hours before grouting with **SmartGrip TG**.

## **COVERAGE**

- **SmartGrip 532 PLUS** coverage is about 5 - 6 m<sup>2</sup> per 25 kg bag using 6 x 6 mm square notched trowel (for 3 mm continuous film).

## **CLEANING**

Excess adhesive on tools can be cleaned with water before the mortar sets.

## **PRECAUTIONS**

- Avoid eye and skin contact as the product is alkaline.
- Gloves, goggles and dust mask should be worn.
- Avoid inhalation of dust during mixing.
- Wash thoroughly after handling.
- In case of eye contact, flush with plenty of clean water. Seek medical help immediately.

## **PACKAGING & STORAGE**

**SmartGrip 532 PLUS** is supplied in 25 kg bags and has a shelf life of 12 months if stored in a cool and dry place in sealed packing with sheltered protection from rain and sunlight.

## **DISCLAIMER**

All information was prepared carefully, using current references available to us. Information provided is to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of information provided here for their intended use. We do not accept liability for any loss or damage that may occur from the use of this information.