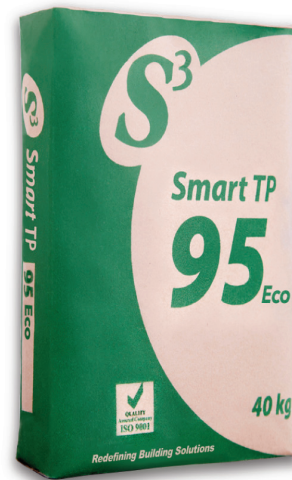


Smart TP 95 Eco

Water Resistant Polymer Modified Thin Plaster

Smart TP 95 is a dry mixed proprietary water resistance thin plaster that replaces the traditional on-site mixes of cement and sand and additives. It contains cement, graded sand and plasticizing additives. It gives a smoother surface finish than conventional plastering material and is water resistance.

Smart TP 95 is applicable by hand or with a spray machine.



FIELDS OF APPLICATION

- Plastering to concrete surfaces and brickwalls
- Plastering AAC block wall or lightweight panel wall
- Bedding, pointing of brick work & block work
- Bedding of wall tiles
- Non-structural repair and patching works
- Suitable for both interior and exterior applications

BENEFITS

- Consistent in product quality
- Convenient & easy to use
- Good bonding strength
- Used for multiple wet trades
- Good workability and performance
- Good weather resistance and durability

TECHNICAL DATA (under laboratory conditions)

PROPERTY	TYPICAL RESULTS
Compressive Strength (BS EN 1015-11: 1999) @ 28 days	12 - 20 N/mm ²
Tensile Adhesion Strength (BS EN 1015-12: 2000) (HDB test method) @ 14 days	Individual ≥ 0.60 N/mm ² Average ≥ 0.75 N/mm ²
Shear Adhesion Strength @ 14 days HDB test method	Individual ≥ 0.70 N/mm ² Average ≥ 1.00 N/mm ²
Consistence Retentivity BS 4551: 2005 + A1: 2010	≥ 65%
Water Retentivity (BS 4551: 2005 + A1: 2010)	≥ 95%
Stiffening Time (BS EN 1015-9: 1999)	1.0 N/mm ² ≥ 240 minutes ; ≤ 360 minutes
	2.0 N/mm ² ≤ 500 minutes
Linear Shrinkage (ASTM C531: 2000 (2005))	≤ 0.10%
Water Penetration (DIN 1048-5-1991)	0 mm
Working Time	60 minutes
Mixing Ratio (by weight)	16 - 19%
Volume Yield for 1 set of 40 kg	24 litres
Coverage	0.6 m ² /kg/mm

SURFACE PREPARATION

- Surfaces to be rendered should be free of unsound material, oil, grease or other contaminants and should be pre-wetted lightly before rendering.
- Spatterdash/key (based on BS 5262) is recommended for plastering on smooth concrete surfaces. The recommended mix for the spatterdash is 1 part cement and 1 1/2 - 2 parts clean coarse sand by volume. Ensure that the spatterdash is firmly bonded to the background before the base coat is applied.
- As **Smart TP 95** is formulated with high polymer content, spatterdash may not be required for plasters that are less than 12 mm thick subject to good surface preparations.

MIXING

- Add a 40 kg bag of **Smart TP 95** to about 6 - 8 litres of water and mix well for about 3 - 5 minutes depending on the type of mixing equipment until the mortar has achieved consistent workability. Ensure that the mix is homogenous and free of lumps.

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.

PLACING

- **Smart TP 95** is applied onto surfaces using a hand trowel up to a maximum total thickness of 20 mm.
- The maximum total thickness is made up of a base coat and a final coat.
- The base coat is applied using considerable pressure on the trowel up to a thickness of between 5 - 12 mm.
- It is recommended that the base coat be lightly scratched after it is firm and allowed to cure for at least 12 hours before the application of the final coat.
- Before applying the final coat, the base coat shall be brushed down to remove any dust or loose material.
- The thickness of the final coat shall be 4 - 8 mm and must be thinner than the base coat.

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 eye contact, flush with plenty of clean water. Seek medical help immediately.

PACKAGING & STORAGE

Smart TP 95 is supplied in 40 kg bags and has a shelf life of 12 months if stored in a cool and dry place in sealed packaging with sheltered protection from rain and sunlight.

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