



High Tech PU HEAT PROOFING

High Tech PU Heat Proofing is a premium quality polymer based coating specially formulated to minimise heat absorption and protect concrete and masonry surfaces from high temperatures. It provides excellent adhesion, durability and resistance against UV rays, harsh weather and water seepage. Ideal for roofs, walls, water tanks and other heat exposed structures.

ADVANTAGES

- ✓ Reduces heat penetration and keeps surface cooler.
- ✓ Excellent waterproofing along with heat protection.
- ✓ Strong adhesion to concrete and masonry surfaces.
- ✓ Resists UV rays and extreme weather conditions.
- ✓ Helps increase the life of roof and walls.
- ✓ Prevents cracks and surface deterioration.
- ✓ Easy to apply with brush, roller or spray.
- ✓ Environment friendly and non-toxic.
- ✓ Saves energy and enhances comfort.

TYPICAL PROPERTIES AT 25°C

Appearance	Fine Powder
Color	White
Bulk Density	0.90 – 1.10 g/cm ³
Mixing Ratio	3.0 – 3.5 Litres of clean water per 12 kg bag
Application Temperature	10°C – 45°C
Coverage	8 – 12 sq.ft. per kg per coat
Drying Time (Touch Dry)	2 – 3 Hours
Final Drying Time	24 Hours
Heat Reflectivity	Up to 85%
Shelf Life	12 Months

**Typical results under laboratory conditions*

SURFACE PREPARATION

The surface must be clean, sound and free from dust, loose particles, oil, grease, paint or any other contaminants. Repair all cracks, joints and damaged areas with suitable repair mortar. New concrete should be cured for at least 28 days before application. Damp the surface with clean water before applying **High Tech PU Heat Proofing**.





MIXING

Add **High Tech PU Heat Proofing** powder slowly into clean water while stirring continuously. Mix properly using a low speed drill with paddle till a smooth, lump free and uniform consistency is achieved. Allow the mix to stand for 5 minutes and stir again. Do not add more water once the mix starts to set. Mix only that quantity which can be used within 1 – 1.5 hours.

APPLICATION

Apply the first coat on the prepared surface using a brush, roller or spray at the rate of 8 – 12 sq.ft. per kg depending on the surface condition. Allow it to dry for 2 – 3 hours. Apply the second coat perpendicular to the first coat for better coverage and performance. For maximum protection, apply 2 coats. Keep the surface moist for at least 24 hours after application. Do not apply in direct sun or on very hot surfaces.

CURING

High Tech PU Heat Proofing should be protected from strong sun, wind and rain until fully cured. Keep the surface moist for 1 – 2 days after application.

COVERAGE

Approx. 8 – 12 sq.ft. per kg per coat. Actual coverage depends on surface texture and porosity.

SHELF LIFE

12 months from the date of manufacture when stored in original sealed packing in a dry and cool place. Extreme temperature / humidity may reduce shelf life.

PACK SIZE

High Tech PU Heat Proofing is available in the following pack size.

PACK SIZE	PACKAGING
12 KG Pack Size	12 KG Powder



 Susan Road, near P.I.A, Officer Colony 1, office, 38000
 03007888881
 <https://hightechchemicals.com/>



High Tech PU HEAT PROOFING

PACKAGING

High



NOTE:

If printed packaging not available, neutral packaging with label.

Lot number and manufacturing date to be stamped at the back of each pail.



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