

COOL SEAL PROOF



DESCRIPTION

POWER COOL SEAL PROOF is a flexible, single component, ultra violet rays and weather resistant, acrylic waterproofing membrane for all types of exposed roof slabs(new and old),terraces(sloped and flat),etc.. POWER COOL SEAL PROOF contains Cross-linking polymers, pigments and advanced antifungal additive that provides long lasting tough water proofing membrane. The long lasting glossy white colors reflect solar radiation that helps heat to back into the atmosphere which keeps the interior of a building cooler. The low thermal conductivity of the membrane serves as insulation medium to resist heat transfer.

ADVANTAGES

- Cross linking polymer gives excellent weather resistance and enhances service life.
- High solar reflectance index (SRI) indicates high degree of cooling effect
- High resistance to chloride penetration, hence highly suitable for saline environment
- Algae and fungi resistant
- Excellent adhesion to concrete, brickwork, corrugated asbestos, asbestos cement sheet and metal
- Water based hence eco friendly
- Ultra violet rays and weather resistant

USAGES

- Roof slabs(flat and sloped)
- RCC / asbestos / lime terraced roofs, etc. after suitable surface preparation and repairs
- Suitable for repairing existing bituminous membrane
- Can be used as exterior coating for PVC water tanks exposed to direct sunlight on roofs. to keep the inside water temperature relatively cooler Sunshades.

APPLICATION DETAILS

SUBSTRATE PREPARATION

All dust, loose and friable materials and glaze or varnish of tiles must be completely removed by mechanical means. Existing coatings/ membranes have to be inspected, cleaned and mechanically ground to achieve a sound, gripping substrate. In case of bad adhesion to the substrate, existing coatings have to be removed. All dust, loose and friable materials and glaze or varnish of tiles must be completely removed by mechanical means. Existing coatings/ membranes have to be inspected, cleaned and mechanically ground to achieve a sound, gripping substrate. In case of bad adhesion to the substrate, existing coatings have to be removed.

SUBSTRATE QUALITY

The cementitious substrate should be sound and of sufficient strength. All substrate should be clean and dry, homogeneous, free from oil and grease, free from paint, cement latence, old coatings and any other contaminants. All new cement sand renderings, concrete surfaces should be allowed to age for minimum of 28 days before coating.

APPLICATION METHOD

PRIMING PROCESS

- Prime the prepared substrate with POWER COOL SEAL PROOF by diluting as per required to give a thin coating before applying the top coat without any dilution.

TOP COAT PROCESS

POWER COOL SEAL PROOF is supplied in a single component pack and is in ready to use form. Stir thoroughly using a conventional paint stirrer prior to application. Within 2-4 hours of priming, apply 1st coat of POWER COOL PROOF by brush or roller. Do not spoil the dry surface while walking on it for application. For reinforcement, use fiber mesh over the first coat when it is in tacky condition. Apply the 2nd coat of POWER COOL SEAL PROOF following the same above procedure at suitable time interval of 6-8 hours between the coats. The above mentioned times may vary depending on temperature, humidity and ventilation at site.



RECOMMENDATION

The product can be stained with good quality stainer for light shades. However pre-test for consistency of color shade is recommended through site trials before application.

TECHNICAL DATA

Appearance	White Milky flow able liquid
Chemical Base	Acrylic polymer dispersion
Density, kg/l @ 27°C	1.30-1.40
Film Thickness	DFT per coat: 340-360 microns, minimum 3 coats
Solid Content (%)	55-60
Physical Properties	
Water Absorption (%) by mass	<10
Crack binding properties (mm)	3mm
Elongation at break (%)	200
Algae & Fungal growth	No growth
Workable Time	30-40 minutes @ 27°C (may vary upon rise in temperature)
Water Permeability	Passes



CONSUMPTION / COVERAGE

- ◆ POWER COOL SEAL PROOF if used as primer for 1st Coat(diluted 20-30%): 0.20-0.30 kg/m²
 - ◆ POWER COOL SEAL PROOF when used without dilution: 0.50-0.60 kg/ m² (2 coats recommended) for Roof
 - ◆ POWER COOL SEAL PROOF when used without dilution: 0.25-0.35 kg/ m² (2 coats recommended) for walls
- Note: Total thickness of minimum 1.5mm approx with POWER COOL SEAL PROOF and increases with fiber mesh coat.

PACKAGING

POWER COOL SEAL PROOF is supplied in a pack of 1l. air tight container.

STORAGE / SHELF-LIFE

Best before 12 months if stored properly in undamaged and unopened original sealed packaging in dry and cool conditions.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened/cured material can only be removed mechanically.

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests.

Actual measured data may vary due to circumstances beyond our control.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety-related data.

Manufactured & Marketed By :

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