

QPROOF

Elastomeric waterproofing membrane

DESCRIPTION

QPROOF is a liquid applied synthetic resin based waterproof coating designed with superior UV resistance and elongation properties. It cures on exposure to the atmosphere and forms an elastomeric seamless membrane. Due to its excellent flexibility this high performance product resists cracking, peeling and thus offering a long term durability to the life of surface.

FEATURES

- Single component, can be easily applied using brush, roller or spray.
- Forms seamless, impervious and joint free waterproof membrane over the substrate.
- Life and durability of the structure is increased.
- Resistance to UV rays with anti carbonation properties.
- Provides insulation due to solar reflection.
- Resistant to efflorescence and fungicidal growth.
- Lightweight compared to conventional roofing systems, thereby loading on the surface is reduced.
- Excellent bonding to most building material.

APPLICATION AREAS

- Waterproofing of roof slabs, terraces, balconies, sun shades, parapet walls, rigid polyurethane foams etc.
- Suitable for horizontal and vertical surfaces.
- Waterproofing cum decorating of external plastered walls.
- Protective cum waterproof coating over bitumen membranes, Asbestos and G.I sheets
- Waterproofing of new surfaces as well as for repair of old surfaces, whether previously treated or not.
- It is optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets etc.

METHOD OF APPLICATION

SURFACE PREPARATION- Fresh masonry or concrete surface must be allowed to cure for at least 14 days. Concrete must be clean and rough. All oil, grease, dirt, debris, paint and unsound concrete must be removed. All cracks >1mm should be filled with suitable crack fillers. In case of metal surfaces, remove rust and contamination for better protection. Apply primer coat of **QPROOF**, diluting 1 kg with 1 ltr potable water, by brush, roller or spray. After the primer coat is completely dried apply two coats of **QPROOF**. It is recommended to apply the 2nd coat perpendicularly and after the 1st coat is totally cured. For better results **Glass Fibre Mesh/cloth** can be embedded in between the 2 coats. **QPROOF** could be diluted up till 10 – 15 % to make the material workable. All brushes and tools should be cleaned by water immediately after use.

COVERAGE

Coverage depends upon the nature of the surface to be treated. But on an average smooth surface would give coverage of 3.5 - 4 sq.mt. / kg. / coat. Two coats will give approx. 400- 450 microns DFT.

● SHELF LIFE AND STORAGE

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30°C. Do not apply when the air temperature is below 5°C or if there is a threat of rain.

● PACKING

QPROOF is packed in 20 Kg. & 50 Kg. plastic Containers.

● TECHNICAL INFORMATION

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|------------------------------|-------------------------------------|
| APPEARANCE | Thixotropic, viscous liquid |
| COLOR | White |
| SOLID CONTENT | 65 ± 1 % (ASTM – D 1475-03) |
| BROOKFIELD VISCOSITY @ 25°C | 35000 - 40000 cps |
| SPECIFIC GRAVITY @ 25°C | 1.30 ± .05 (ASTM-D 244) |
| pH @ 50 % DILUTION | 8.5 – 9.0 |
| DRYING TIME @ 30°C & 50% R.H | Approx. 2 hrs. |
| ELONGATION @ BREAK | >350% (ASTM – D 412) |
| Curing time | Approx. 48 hours at 20°C & 50% R.H. |
| TENSILE STRENGTH | 100 Psi |
| PERMEABILITY | almost Nil |
| LOW TEMPERATURE BENDING | 3 mm Mandrel |
| WET SCRUBBING TEST | No effect after 6000 cycles |
| FLASH POINT | Non inflammable |
| CHEMICAL RESISTANCE | Good |
| INSULATION PROPERTIES | Good |
| SOLAR REFLECTION | Excellent |

● HEALTH AND SAFETY

QPROOF is safe, non toxic, eco-friendly and presents no health hazards. As with all chemicals caution should always be exercised. Protective clothing such as gloves and goggles etc. to be worn. INHALATION of vapour or mist should be avoided. In case of EYE CONTACT flush with large amount of clean water and seek medical advice. For SKIN CONTACT, clean with water and soap until all traces have been removed. In case of INGESTION, drink plenty of water and seek medical attention immediately.

NOTE :- All information is given in good faith on the results gained from experience and tests. However all recommendations or suggestions are made without guarantee since we do not have any control over the site conditions or its uses.

Marketed by:

Polyproof Construction Chemicals
MUMBAI



Manufactured by:



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