

OVERVIEW

- To overcome leakage problems, many conventional methods are prevailing in the market, but these treatments have not proved to be result oriented due to which waterproofing still remains a "Pressing" problem... RANSPOXY-PMR250, an improved grade of Water based Epoxy, High solids two components Epoxy based [i.e. Resin & Hardener] air drying systems, specially formulated for various applications.

PROPERTIES/ADVANTAGES

- It is chemically cures at 30°C. And no additional curing method is required.
- Being Water based Epoxy, it can be applied on Damp surfaces unlike pure Epoxy resins.
- It is odorless, non-flammable, non-toxic enhance it can even be applied in potable water Tanks.

RECOMMENDED USES

RANSPOXY-PMR250 is used as a primer coat on the following structures:

- RCC, PCC, CC & Metallic Subtracts.
- Highly need for STP Tanks, Ph. Value works.

INSTRUCTIONS FOR USE

The application temperature should be between 15°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the waterproofing system are as follows:

HOW TO USE

Segments	For better adhesion, it is essential to clean the surface on which the material is to be consumed. To remove dust, dirt, or loose particles by emery paper, wire brush. To get optimum performance the surface must be dry, free from oil grease and later sufficiently washed with ample of water. For concrete surface, old concrete surface should be examined for structural soundness. Unsound areas must be repaired.
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PRECAUTION:

Mix only the required quantity of RANSPOXY-PMR250 and RANSPOXY-SLF, which can be utilize within stipulated pot-life period to avoid solidification. Wash all tools and tackles with ample of water immediately after application is completed.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKGING & STORAGE

RANSPOXY-PMR250 is packaged as per given details in Technical Data:-

Self-life	12 months when stored in tightly sealed containers below 35.C
Packaging	20 kgs, 5 kgs, 1 kgs, 1/2 kgs.
Storage	Material should be stored in an enclosed area and away from direct sunlight and heat.

RANS ENGINEERING & CHEMICALS offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the RANS Technical Service Department or your local RANS agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on RANS present state of knowledge and is intended to provide general information on RANS's products and their methods of use. The prospective user is recommended to determine the suitability of RANS's suggestions and products before adopting them on a commercial scale.

FIELD OF APPLICATION

<p>APPLICATION ON NEWLY CASTED TOP SLAB</p>	<p>Clean the slab with broom to remove loose sand particles/ dust. Mix RANSPOXY-PMR250 Part "A" & Part "B" in equal quantity by volume and apply TWO COATS on the surface with smooth nylon brush giving a Dry Film Thickness of 125 - 150 microns. During the process of applying 2nd coat is in progress, simultaneously, spread fine mash sand on the coated surface. Next day, IPS or Brickbat Koba or fixing tiles can be carried out.</p>
<p>APPLICATION IN WATER TANKS/ BIO GAS PLANTS</p>	<p>Clean the inside surface, including bottom with wire brush and wash it with water. Apply first coat of RANSPOXY-PMR250 Part "A" & Part "B" mixed in equal quantity by volume by smooth nylon brush. After 3 - 4 hrs. Apply 1 mm thick putty with RANSPOXY-PMR250 & Grey Cement / RANSPOXY-SLF to entire surface. Here the first coat shall give bonding to cement surface and putty shall fill up the cracks / pin holes. Fill water in Water Tanks.</p>
<p>APPLICATION ON PLYWOODS</p>	<p>An ordinary plywood can be completely waterproof merely by applying one coat of RANSPOXY-PMR250. The thickness size can be filled in and smoothened with putty RANSPOXY-SLF. This treatment will reduced the cost to the tuned of just half against waterproof ply available in the market.</p>
<p>BONDING OLD TO NEW CONCRETE</p>	<p>Just apply one coat of RANSPOXY-PMR250 and Grey Cement [200 gms: 100 gms]. New concrete surface can be laid when Green tacky. The coat of RANSPOXY-PMR250 shall render excellent bonding of old to new surface.</p>
<p>APPLICATION ON FIXING MARBLE/GRANIE/FINE FINISH DECORATIVE STONE</p>	<p>The Marble/Granite or other stones, conventionally, has been bonded with mere White cement. Of late, it has been observed that the White cement peels off in 2- 3 years' time. To overcome this problem, we recommend 1 coat RANSPOXY-PMR250 on back side of the marble of the granite sprinkled with sand and leave it to dry for 24 hrs. At room temp. This will render considerable rough surface and the treated marble/granite can be bonded with gray cement. This will provide an excellent bonding and durability.</p>
<p>APPLICATION ON OLD TERRACE</p>	<ul style="list-style-type: none"> ▪ Open the visible cracks in "V" shape yo the tune 2-mm deep. Apply 1 coat of RANSPOXY-PMR250 Part "A" & Part "B" with the thin nylon brush. After 2 hrs. Fill the crack with RANSPOXY-SLF. When putty dries, apply final coat of RANSPOXY-PMR250. ▪ Moreover, on junction called VATA [i.e. between parapet wall and the slab],SUN SHEDS and on COPPING of parapet wall, apply 3 coats as mentioned as above

**TECHNICAL
DATA**

Product	Two Part Waterproofing Epoxy Primer.
Ratio	Resin part 1.0 pbv 1.0 pbw Hardener part 1.0 pbv 1.0 pbw
Finish	On complete curing... TRANSPARENT GLOSSY
Coverage	Rough surface 40-50 Sq.ft. Per kg./mix with 150 microns Smooth surface 50-60 Sq.ft. per kg./mix with 110 microns
Pot-life of mix	45 - 50 Mints at 35°C
Texture	Smooth
Curing	Gets completely cured at room temp. Min 12 hrs.
Viscosity of mix	Easily Brushable
Service Temperature	+15°C to +45°C

PICTURES/IMAGES AT GLANCE



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