

OVERVIEW

Novalac is a multi-functional high cross link density epoxy matrix, whereas the conventional epoxy is based on di-functional Bisphenol A technology. Because of its high cross link density, RANSPOXY-CR is the best bet for chemical, solvent and heat resistance among all epoxy range of products.

RANSPOXY-CR is a high solids novalac epoxy coating for concrete, masonry or steel where chemical and thermal protection is required. RANSPOXY-CR is designed for service in harsh chemical environments.

PROPERTIES/ADVANTAGES

- It is chemically cures at 30°C. And no additional curing method is required. It is odorless, non-flammable, non-toxic enhance it can even be applied in potable water Tanks.
- Excellent chemical resistance & high temperature performance. Cures at low temperature, excellent solvent resistance & Improved wear resistance.

RECOMMENDED USES

RANSPOXY-CR 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:

SURFACE PREPARATION:

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.

CHEMICAL RESISTANCE

Excellent resistance is observed against acids, alkalies and varied chemicals. Chemical spillages should always be wiped up as quickly as possible and not be allowed to concentrate up by evaporation. The data on the list of the chemicals found resistant to this product during our lab study is available on request.

DIRECTION FOR USE

Ensure that the surface is free from rusting, oil and other contaminants. Sanding and greasing is done prior to primer application. Apply RANSPOXY-PMR250 as primer and allow to dry for 5-6 hours. Mix RANSPOXY-CR resin and hardener in the recommended ratio of 2:1 by volume with a low speed drill for at least 2-3 minutes. Accurate mix ratio is critical for performance and cure. Apply by brush, spray or roller. Can be sprayed with airless or conventional spray. Allow to cure for 6-7 hours. Re-coat within 24 hours. Full chemical cure needs 7 days.

PRECAUTION:

Mix only the required quantity of RANSPOXY-PMR250 and RANSPOXY-CR, 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.

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.

HEALTH & SAFETY

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

PACKAGING & STORAGE

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

Self-life	12-15 months, stored in cool and dry Place In sealed Containers.
Packaging	30 kgs, 15 kgs, 1.5 kgs.
Storage	Material should be stored in an enclosed area and away from direct sunlight and heat.

TECHNICAL DATA

Product	Two Part Chemical Resistant Coating		
Type	Solvent free vinyl ester		
Finish	Transparent-Shades as desired.		
Ratio	Resin 2 part	Hardener 1 part	
Coverage of mix	40 Sq.ft/Coat over Smooth Sur	Density	1.10 of Mix.
Pot-life of mix	30-35 Min at 35'c	Viscosity of mix	Free Flow Liquid
Compressive strength	80 N/mm ²	Volume solid	≥ 60 %
Texture	Smooth	Odour	Odorless [while application]
Dry film thickness	200 Micron [DFT] in Single coat	Service Temperature	+15°C to +45°C

PICTURES/IMAGES AT GLANCE



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