

OVERVIEW

RANSTHANE-PMR is a clear/black, single pack, moisture cure polyurethane coating, with excellent penetrating properties. RANSTHANE-PMR is a single component adhesion promoter primer and sealer for use where toughness, chemical resistance, fast curing, and printability are required.

RANSTHANE-PMR bonds to and seals concrete, metal and timber, rubber, PVC, urethane and cured epoxies.

PROPERTIES

- Life and durability of the structure is increased.
- Easy application.
- No mixing or heating required.
- Excellent Adhesion
- Fast Curing
- Chemical Resistant
- Multipurpose

AREAS OF USE

RANSTHANE-PMR is used before Polyurethane Coating on the following structures:

- Inverted Roofs & parapets
- Terraces, balconies & patios
- Sunken slabs
- Bridges & tunnels
- Airport aprons & ramp areas

RANSTHANE-PMR in tropical regions can also be used for waterproofing of below ground concrete structures like:

- Concrete foundations & footings
- Basements
- Pile heads
- Swimming pools & water retaining structures
- Priming concrete, wood, rubber, etc. for fiberglass, PVC and polyurethane application Sealing porous surfaces

INSTRUCTIONS FOR USE

The application temperature should be between 5°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

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections and protrusions shall be removed and repaired with 'V' grooves filling and sealed with RANSBITU-SEAL/RANSPOLY-SEAL/RANSPU-SEAL-1K, Structurally unsound and friable concrete must be removed and repaired with a suitable RANSCRETE-AP concrete repair mortar.

PRIMING

Apply Solvent based RANSTHANE-PMR @ 0.3-0.5L /Sqmt to a clean smooth and dry surface by brush, roller or spray. Allow the primer to dry prior to the application of the PU Coating. As the viscosity of the primer is low, it easily penetrates into the concrete pores which promote the adhesion between the membrane and the concrete surface. In addition to that the primer also acts as a binder for the dust which gets accumulated on the concrete surface even after cleaning.

Preparation: Concrete surfaces must be cured for at least 28 days.

Surface must be dry and free of grease, oils and other contaminants.

Large areas can be coated using a rubber squeegee. Apply quickly and liberally by good quality brush, roller or squeegee. RANSTHANE-PMR may be also sprayed.

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.

If two coats of PU Primer are required, apply within 4-16 hours, however ensure the first coat has sufficiently hardened to avoid lifting of the coating.

PRECAUTION:

Mix only the required quantity of material, which can be utilized within stipulated pot life to avoid solidification.

Wash all the tools and tackles with industrial solvent immediately after the application is completed.

HEALTH & SAFETY

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

PACKGING & STORAGE

RANSTHANE-PMR is supplied in 5kg & 20kg pails/bucket.

Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 6 month.

**TECHNICAL
DATA**

Product	Polyurethane Primer
Colour	Black/ Clear
Drying Time	60-120 Mins.
Material Consumption	0.3-0.5kg/m ²
Chemical resistance	Excellent
Service Temperature	+15°C to +45°C
Packaging	5kg and 20kg plastic pails.

PICTURES/IMAGES AT GLANCE



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