

OVERVIEW

In application where heating of bitumen at site is not possible, and where handicaps of wet surfaces have to be overcome, waterproofing can be done using RANSKOTE-PMR.

The application of this product forms a tough surface within 24 hours (depending upon climatic conditions) and renders adequate protection against moisture and accidental damage. Because of its plasticity, it can resist cracking caused by movements or temperature changes. It is an ideal and economic method of providing long term protection to exposed insulation besides preventing steam losses.

RANSKOTE-PMR gives a coating, which when set, is impermeable to water and remains unaffected by attacks of industrial fumes, salty atmosphere etc. It resists low temperature cracking and also does not crack under the influence of strong sunlight.

It is an emulsion of selected grade of bitumen with fibre & fillers.

PROPERTIES

An outstanding quality of RANSKOTE emulsion is the drying from inside so that the evaporation of moisture is outward:

- Continuous, jointless surface over entire insulation.
- Impervious to moisture and perfectly weatherproof.
- Highly resistant to acidic and alkaline corrosive influences.
- Non-inflammable, inert, odorless and taintless.
- Will not flow or creep at any surface temperatures normally encountered.
- Will not flake or crack under winter frost.
- Insulation maintained permanently dry with a high degree of efficiency thus ensuring that fuel and operating costs are kept at a minimum.

AREAS OF USE

RANSKOTE-PMR is used before waterproofing membrane on the following structures:

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

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. Structurally unsound and friable concrete must be removed and repaired with a suitable RANSCRETE-AP concrete repair mortar.

PRIMING

Apply water based RANSKOTE-PMR @ 0.4-0.5L /Sqmt to a clean smooth and dry surface by brush, roller or spray. Allow the primer to dry prior to the application of the membrane. 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

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.

which gets accumulated on the concrete surface even after cleaning.

APPLICATION PROCEDURE:-

RANSKOTE-PMR is to be applied manually with the help of trowel to a smooth finish as per the following procedure.

- Remove all dirt and dust by using wire brush and hand blowers.
- Dilute the **RANSKOTE-PMR** to a light consistency to use it as primer by adding 40% water. The surface should be allowed to dry and turned into black surface.
- After priming, apply **RANSKOTE-PMR** slightly diluted (add 10% water max.)@1.5kg/sqm and allow the emulsion to get dry and brown colour turned into black.
- Once the **RANSKOTE-PMR** is set then the coarse may be spread over the surface.

PRECAUTION:

Mix/Use 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

RANSKOTE-PMR is supplied in 20kg, 50kg pails/drums.

Store containers in a clean dry area protected from direct sunlight and extreme heat and cold.

Unopened containers can be stored for 12 months.

**TECHNICAL
DATA**

Product	A Water Base Bitumen Primer
Appearance	Brownish/Black
Cure Time	30-60 Mins.
Chemical Resistance	Excellent
Softening Point	70-80°C
Water Content Percentage	45-50 %
P.H Value	4-6
Residue on 100 mesh	0.5% max
Service Temperature	+5°C to +45°C

PICTURES/IMAGES AT GLANCE



RANS ENGINEERING & CHEMICALS PVT. LTD

[An ISO 9001: 2015 Company]

205, GALI NO-7, A BLOCK, BRIJPURI

YAMUNA VIHAR, NEW DELHI-110094

CONTACT AT: +91-11-22170895, +91-9871393743

Website: www.ransengineering.com

Email: ransengineering@gmail.com