

## OVERVIEW

A low viscosity bituminous solution. It is highly penetrative and has good adhesion to most surfaces. Bituminous Primer for cold application complies to IS: 3384-1986 and BS 4147-1980.

## PROPERTIES

- Excellent Adhesion
- Fast Curing
- Chemical Resistant
- Multipurpose

## AREAS OF USE

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

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

RANSBITU-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

## 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 Solvent based RANSBITU-PMR @ 0.3-0.4L /Sqmt as per ASTM D 41 & IS: 3384-1986 and BS 4147-1980 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 which gets accumulated on the concrete surface even after cleaning.

### 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

RANSBITU-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.

**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.**

**TECHNICAL  
DATA**

<b>Product</b>	A Solvent Base Bitumen Primer		
<b>Appearance</b>	Black		
<b>Cure Time</b>	30-60 Mins.		
<b>Chemical Resistance</b>	Excellent		
<b><u>Characteristics of Bitumen Primer</u></b>	<b><u>Range</u></b>		<b><u>Test Methods</u></b>
	<b>Min</b>	<b>Max</b>	
Softening Point (Ring & Ball), 0°C	100	120	IS: 1205-1978
Penetration at 25°C, 100g, 5 Sec, 0.1mm	10	20	IS: 1203-1978
Solubility in Trichloroethene, % by mass	99	-	IS: 1216-1978
<b><u>Characteristic of Primer</u></b>	<b><u>Range</u></b>		<b><u>Test Methods</u></b>
	<b>Min</b>	<b>Max</b>	
Flow time test (4mm flow cup at 25°C) Sec	35	65	IS: 1213-1978
Flash Point (Abel Closed Cup), min, °C	40	-	IS: 1209-1978
<b>Service Temperature</b>	+5°C to +45°C		

**PICTURES/IMAGES AT GLANCE**



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