

OVERVIEW

- RANSCRETE-SBR is a single component water based emulsion of a modified SBR (Styrene-Butadiene Rubberized) based polymer, consisting of polymer and liquid additives. It can be used as a waterproof membrane for terraces, balconies and roof slabs. It accommodates limited crack movement in underlying surfaces. It develops an excellent bond to most building material hence becoming a part of concrete repair.
- RANSCRETE-SBR is a SBR based polymer used for making of cement based waterproofing slurry that is flexible and can be used as coating for control of efflorescence. RANSCRETE-SBR can be used as bonding agent also.

PROPERTIES

RANSCRETE-SBR is a SBR based polymer used for making of cement based waterproofing slurry that is flexible and can be used as coating for control of efflorescence. RANSCRETE-SBR can be used as bonding agent also.

AREAS OF USE

- Water proofing of basements, toilet, terraces, roofs, swimming pools, water tanks, bridge decks, etc.
- Suitable for general concrete repairs as concrete admixture. It gives excellent bond strength.
- It can be used for protection of concrete against corrosion, salt attack, etc.
- As Bonding Agent for plaster, concreting (Old to New), stucco and cement slurry bond coat.

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 application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated. Prime the prepared surface using RANSCRETE-SBR primer (1 part RANSCRETE-SBR and 2 parts Water) with brush, roller or spray.

METHOD OF APPLICATION

After the primer coat is completely dried apply the Treatment. Mix RANSCRETE-SBR with Portland cement in the ratio of 1 part RANSCRETE-SBR: ½ PARTS WATER: 3 PARTS PORTLAND CEMENT using slow speed mixer. Material should be preferably mixed in small quantities to avoid wastage. Minimum 2-3 coats of RANSCRETE-SBR are recommended depending on the nature of the surface.

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

RANSCRETE-SBR is pre-packaged system available in 20kgs, 200kgs buckets/pails/plastic drum.

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**

| | | | |
|--|--|---------------------------|---------------------------------|
| Product | Styrene Butadiene Rubberized Product/Latex | | |
| Base | Latex/SBR (Styrene Butadiene Rubberized) | Polymer Type | Styrene - Butadiene |
| Appearance | Milky White, low viscous emulsion | Emulsifying System | Anionic - non-ionic |
| FILM PROPERTIES | | | |
| Appearance | Clear and Transparent | | |
| Surface | Tacky | | |
| Tg (dma) | - 22 °C | | |
| M.F.F.T. | 0 °C | | |
| RANSCRETE-SBR30 | | | |
| Solids content by weight | 30± 2% | | |
| Viscosity | 15000-20000cps (Brookfield) @ 20° C (ASTM D 1475-16) | | |
| Specific gravity | 1.1±0.2 @20°C | | |
| Touch dry time | 5 Hr. @22°C & RH 50% | | |
| pH | 5.5-6 | | |
| RANSCRETE-SBR50 | | | |
| Brookfield viscosity (RVT 10 rpm, 20°C) | < 500 cps | | |
| Total Solid Content | 50.0 +/- 1.0 % | | |
| pH | 8.0 - 9.0 | | |
| Particle size | ca. 180 nm | | |
| Toxicity | Nontoxic but avoid inhalation | Packaging | 20kg and 200kg bucket/pail/drum |

PICTURES/IMAGES AT GLANCE



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