



DESCRIPTION

DUSEEL R300 is a superior quality, elastomeric, liquid applied bitumen membrane blended with special ingredients. It is solvent based with special SBS rubber for high quality performance and durability. The elastomeric liquid applied membrane forms upon drying a tough elastic, flexible coating capable to withstand structural movements and moisture penetration.

DUSEEL R300

(ELASTOMERIC LIQUID APPLIED MEMBRANE)



FEATURES AND BENEFITS

- Forms a tough and elastic waterproof film upon drying
- High elasticity (Exceeds 1000% elongation)
- Excellent elastomeric protective coating
- Highly flexible
- Anti-corrosion properties
- Bridges minor cracks
- Seamless and adaptable to irregular surface
- Compatible with other bituminous products
- Excellent bonding and adhesion properties
- Cold applied; easy application

SPECIFICATION AND COMPLIANCE

DUSEEL R 300 is tested as per the requirement of ASTM, UEAtc and other relevant International Standards.

MAIN USES

DUSEEL R300 is used for

- Wet areas - Kitchens, bathrooms, balconies and shower rooms
- Elastomeric liquid applied membrane for foundation, cellar walls
- Non-potable water tanks, sewage tanks and swimming pools (externally)
- Liquid applied coating on vertical surfaces

QUALITY ASSURANCE AND WARRANTY

Duproof is ISO 9001 Quality Assured Company and DUSEEL R300 carries a material warranty against any manufacturing defects.



DUSEEL R300 (ELASTOMERIC LIQUID APPLIED MEMBRANE)

ISS: 1/4/17, REV: 0

METHOD OF APPLICATION

SUBSTRATE PREPARATION

All substrate must be clean, free from dirt, dust, soil, grease, oil and other loose particles. Substrates that are very dry should be applied with a penetrative coating of **DUPRIME**.

Stir the solution thoroughly if stored for a long time.

APPLICATION SYSTEM ON POROUS SUBSTRATE (CONCRETE STRUCTURE)

Prime the surface with solvent based primer **DUPRIME** and allow the primer to dry completely (1-4 hours).

Apply a minimum of 2 coats by brush or spray equipment. The second coat is applied when the first coat has completely dried. Apply each coat at a right angle to the previous one to achieve good coverage and uniformity. A third coat is required for very porous substrates. Drying time is 4-6 hours under normal conditions. Under damp and cold conditions, it is recommended to allow 6-8 hours between successive coats.

DUSEEL R300 is recommended to be apply at temperatures between 5°C to 50°C.

PACKING AND STORAGE

DUSEEL R300 is available in 20-liter pails, palletized and strapped. Shelf life is minimum of 12-months in a tightly closed container and store at temperature between 5°C and 40°C. Avoid direct exposure to heat and sunlight.

HEALTH AND SAFETY

DUSEEL R300 is solvent base that gives out inflammable vapor. Proper care must be taken when applying the coating. Wear proper or necessary Personal Protective Equipment, ensure proper ventilation if used in enclosed area, keep away from sources of ignition, and avoid contact with skin, eyes or inhalation. Make sure that the container is closed after each application. Refer to our MSDS sheets for advice.

TECHNICAL DATA

| PROPERTY | UNIT | VALUE | TEST METHOD |
|--|-------------------|--|------------------|
| Total Solids | % | 65 ± 5 | ASTM D 2369 |
| Elongation | % | >1000 | ASTM D 638-95 |
| Recovery | % | >96 | ASTM D638-95 |
| Density | Kg/L | 0.90 to 0.95 | ASTM D 70 |
| Water Permeability (@ 5bar Pressure) | ----- | Nil | BS EN 12390 |
| Drying Time | hrs | ~ 6 | In house |
| Firm Set | hrs | 24 | In house |
| Viscosity | Cps | 3000 to 7000 | Brookfield |
| Tensile Strength | N/cm ² | >75 | ASTM D 638-95 |
| Adhesion to Primed Concrete | N/mm ² | 0.5 | BS 1881 Part 207 |
| Coverage | ----- | Approx. 10m ² /20ltr pail for 2 coats | ----- |
| Puncture resistance Value Deflection | ----- | 50N @ 180mm | ASTM E 154 |

CLEANING OF TOOLS

The brush and spray equipment should be cleaned immediately after use by means of a suitable solvent like white spirit, Petrol or Diesel oil.

Tolerances on nominal values shown are as per UEAtc directives for polymer modified bitumen membranes. These data are correct at the time of printing but may be changed without any prior notice subject to clients requirements availability of raw materials or other conditions. This data sheet supersedes all previous publications pertaining to this product. All reasonable care has been taken in preparing this document, which to the best of our knowledge is accurate and true. Recommendations and suggestions are made in good faith and should only be considered for general guidance. No liability is assumed or taken by us in relation to the application, as usage conditions and any labour involved are beyond our control.