



## DESCRIPTION

**DUSEEL R** is a high quality, quick curing bitumen emulsion protective coating manufactured from the combination of high quality bitumen and chemical emulsifying agent. The rubber content (10% rubber on dried Film) gives the emulsion a strong consistency that forms upon drying an elastic and highly effective liquid applied protective coating membrane.

## FEATURES AND BENEFITS

- Excellent damp proofing and waterproofing property
- Penetrates and seals porous substrate
- Excellent adhesion to substrate
- Seamless coating
- Water based no health hazard
- Forms a tough and resilient film upon drying
- High resistance to dilute acids and alkalis
- Non-toxic and odorless
- Excellent adhesion on damp and dry surfaces
- Solvent free, non-fire hazard
- Penetrates the porous concrete substrate and cures rapidly to form moisture vapor barrier that helps in curing concrete uniformly. The cured film also acts as a non-degradable membrane

## SPECIFICATION AND COMPLIANCE

**DUSEEL R** conforms to the requirements of ASTM D 2939 and other relevant International Standards.

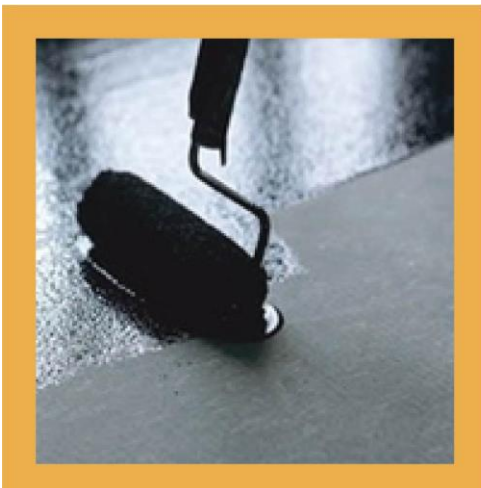
## MAIN USES

**DUSEEL R** is ideal to use for:

- Damp proofing and protective coating on concrete footings, columns and beams wet areas like bathroom, kitchen etc.,
- Damp proofing of foundations, manholes and other underground concrete structures
- Chemically resistant to be used as protective lining on gutters for effluents, acids and alkalis in industrial factories. It is used in exposed and inclined surfaces
- Influences in the curing of concrete and acts as a curing agent by the chemical emulsifier based emulsion system

## QUALITY ASSURANCE AND WARRANTY

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



## METHOD OF APPLICATION

### SUBSTRATE PREPARATION

All substrate must be clean and sound, free from dirt, dust, soil, grease, oil and other loose particles. If the concrete is very dry dampen first with water.

Stir the emulsion thoroughly if stored for a long time.

### APPLICATION SYSTEM ON POROUS SUBSTRATE (CONCRETE STRUCTURE)

Apply a minimum 2 coat 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 coat to achieve good coverage and uniformity. A third coat is required for very porous substrate. Drying time is 1-4 hours under normal conditions. Under damp and cold conditions, it is recommended to allow 6 hours between successive coats.

## PACKING AND STORAGE

**DUSEEL R** is available in 20 liter pails and 200 liter drums, palletized and strapped. Store at temperature between 5°C and 50°C in a tightly sealed container. Shelf life is minimum of 12 months in a good storage protected from direct sunlight and frost.

## HEALTH AND SAFETY

There are no health hazards associated with **DUSEEL R**, wash with copious amount of water if spilled on the skin.

## TECHNICAL DATA

PROPERTY	UNIT	RESULT	TEST METHOD
Solid Contents	%	48 ± 5	ASTM D 2369
Density	Kg/L	0.95 — 1.00	ASTM D 70
Appearance	-	Dark brown liquid forms into black, flexible coating upon drying	In house
Heat Resistance	-	Cured film is non-flowing and non-sagging under service conditions	ASTM D 2939
Low Temperature Flexibility		No Crack @ 0°C	ASTM D 2939
Service temperature	°C	0 °C to +60 °C	In house
Drying time	Hrs	1 — 4	In house
Resistance to water @24hrs		No blistering or re-emulsification	ASTM D 2939
Coverage	m <sup>2</sup> /lit	3 to 4 m <sup>2</sup> /lit /Coat-Depending on the substrate	In house
pH	-	10 - 12	pH meter
Viscosity (Saybolt)	sec	25 — 40	In house
Adhesion to Concrete	N/mm <sup>2</sup>	0.5	BS 1881 Part 207

## CLEANING OF TOOLS

The brush and spray equipment is cleaned using soap and water immediately after use. Place tools in water during breaks to prevent caking up of the bristles.

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.