



## DUCOAT RBE

(ELASTOMERIC RUBBERIZED BITUMEN EMULSION PROTECTIVE COATING)

### DESCRIPTION

**DUCOAT RBE** is a rubberized, elastomeric, thixotropic, ready to use anionic bitumen emulsion. The elastomeric property (due to 10% Rubber on dried film) of the liquid applied waterproofing membrane provides high flexibility and elasticity of the product to withstand high movements of the substrate due to changing temperatures. The product is thixotropic in nature that makes it ideal for protective coating applications on vertical structures in addition to horizontal structures.

### FEATURES AND BENEFITS

- Excellent polymer modified, liquid applied membrane
- Forms a tough, elastic, and seamless coating upon drying
- Penetrates and seals porous substrate
- Resistant to dilute chemicals, chlorides, and sulphates
- Non-sagging and non-flowing at high service temperatures
- Water based, no health hazard
- Resistant to high and low temperatures
- Excellent adhesion on damp and dry surfaces

### SPECIFICATION AND COMPLIANCE

**DUCOAT RBE** is tested as per the requirement of ASTM D 2939 and other relevant International Standards.

### MAIN USES

**DUCOAT RBE** is used for:

- Wet areas (bathrooms, kitchen)
- Vapor barrier for walls, floors & roofing structure
- Concrete foundations basements, footings, retaining walls, bridge abutments
- Building exteriors, façade
- Excellent protective coating for wide range of substrates such as concrete structures and cement blocks

## QUALITY ASSURANCE AND WARRANTY

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



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## METHOD OF APPLICATION

### SUBSTRATE PREPARATION

All substrates must be clean and 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 E**. If the concrete is very dry, dampen first with water. If the substrates, that are new, after initial set (48-72 hours) Stir the emulsion thoroughly if stored for a long time.

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

Prime the surface with water-based primer **DUPRIME E** or with diluted **Ducoat RBE** (diluted with 20% water) and allow the prime coat to dry completely (1-4 hours; if the concrete is very dry). Apply **Ducoat RBE** 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 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

**DUCOAT RBE** 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 **DUCOAT RBE**, wash with copious amount of water if spilled on the skin.

## TECHNICAL DATA

PROPERTY	UNIT	RESULT	TEST METHOD
Solid Contents	%	40 ± 5	ASTM D 2369
Rubber Content in Dry Film	%	>10% min	-
Dry film Thickness	micron	700-750/2 coats	-
Density	Kg/L	0.95 – 1.00	ASTM D 70
Appearance	-----	Dark brown thixotropic liquid forms into black, flexible coating upon drying	In house
Low temperature resistance	°C	0	ASTM D 2939
Service temperature	°C	0 °C to +65 °C	In house
Flammability	-----	Non-flammable	-----
Coverage	m <sup>2</sup> /lit	0.85 to 0.87 m <sup>2</sup> /lit /Coat-Depending on the substrate	-----
Drying time	hrs.	1.0 – 4.0	In house
pH	-----	10 - 12	pH meter

Tolerance based on testing standard

## CLEANING OF TOOLS

The brush and spray equipment is cleaned using soap and water immediately after use. Brush is dipped in water before and during use for easy application. Place tools in water during breaks to prevent caking up of the bristles. A suitable solvent like white spirit, petrol or diesel oil removes dried emulsion.

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 labor involved are beyond our control.