



DUCOAT R 1000

(RUBBERIZED BITUMEN EMULSION
PROTECTIVE COATING)

DESCRIPTION

DUCOAT R 1000 is an outstanding rubberized, thixotropic, anionic bitumen emulsion. The elastomeric property (due to 20% 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 R 1000 is tested as the requirement of ASTM D 2939 and other relevant international standards.

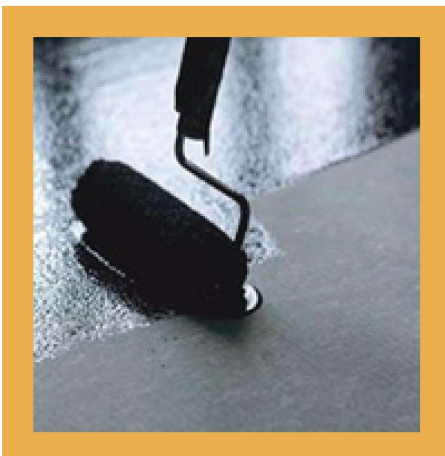
MAIN USES

DUCOAT R 1000 is used where the properties are more demanding such as:

- Protective coating for concrete and timber
- Various exposed roofs and built up roofs (concrete, cement, asphalt, lightweight screed, etc)
- Concrete basements, footings, wet areas (bathrooms and kitchen)
- Excellent vapor barrier for walls, floors and roofing structure

QUALITY ASSURANCE AND WARRANTY

Duproof is ISO 9001 Quality Assured Company and DUCOAT R 1000 carries a material warranty against any manufacturing defects.



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METHOD OF APPLICATION

SUBSTRATE PREPARATION

All substrate 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 R1000** (diluted with 25% of water) and allow the prime coat to dry completely (1-4 hours; if the concrete is very dry). Apply a minimum 2 coat by brush, roller or squeegee. 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 R1000 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 1 year in a good storage protected from direct sunlight and frost.

HEALTH AND SAFETY

There is no health hazards associated with **DUCOAT R 1000**, wash with copious amount of water if spilled on the skin.

TECHNICAL DATA

| PROPERTY | UNIT | RESULT | TEST METHOD |
|---------------------------------|---------------------|--|-------------|
| Solid Contents | % | 60 ± 5 | ASTM D 2369 |
| 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 |
| Heat Flow Resistance 100°C ±3°C | ----- | Cured film is non-flowing and non-sagging under service conditions | ASTM D 2939 |
| Service temperature | °C | 0 °C to +60 °C | In house |
| Flammability | ----- | Non-flammable | ----- |
| Coverage | m ² /lit | 1.2 to 1.7 m ² /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 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 labour involved are beyond our control.