

Rubberized bitumen emulsion for enhanced protection.

KITOCOAT RBE 5510



Al Khalidiya
Water Proofing & Insulation Co. LLC

Description

KITOCOAT RBE 5510 is a high-build emulsified rubber-modified bitumen coating, crafted to provide a tough, durable, and elastic coating. The cured film is weatherproof and resistant to aggressive ground salts.

Uses

KITOCOAT RBE 4510 is utilized for tanking, waterproofing, adhesion, and as a protective coating in various construction applications.

- » Tanking and waterproofing applications for concrete, brick foundations, retaining walls, bridge abutments, basements, columns, and wet areas.
- » Functions as a damp-proof membrane and vapor seal in sandwich construction.
- » Provides adhesion for bonding materials such as wooden flooring, insulation board, expanded polystyrene, PVC, and cork tiles.
- » Acts as a curing membrane cum protective coating for substructures.
- » Serves as a curing compound on freshly cast concrete structures.
- » Functions as a damp-proof membrane in sandwich constructions.
- » Acts as a vapor-proof barrier coating for both interior and exterior floors and walls.

Advantages

- » Easily applied in a cold setting.
- » Demonstrates excellent adhesion.
- » Single-component formulation for easy application.
- » Provides dual benefits of curing and protecting concrete.
- » Non-hazardous composition.
- » Resistant to chemicals, including chlorides and sulfate ions.
- » Applicable in closed or confined areas, offering flexibility.
- » Adequate elasticity to accommodate small movements and hairline cracks.
- » Forms a resilient, elastic, and seamless coating upon drying.

Properties	Values
Color	Brown liquid dries black
Flash Point	Non flammable
Solid Content,[%]	55% (±2) [ASTM D 2939]
Rubber Content, [%]	10% on dried film
Specific Gravity[g/cc]	1.0 ±.02[ASTM D 2939]
Application temp [°C]	5 to 50
Drying time [min]	2-3 hours at 30°C
Service Temperature	-5°C to 75 °C
Adhesion to concrete	Excellent
Elongation, [%]	>300 [ASTM D 412]
VOC [g/l]	< 50 [ASTM D 3960] / D 2369

All values given are subject to 5-10% tolerance

Method of Application

SURFACE PREPARATION

Ensure surfaces are clean, stable, and free from dirt, dust, debris, grease, and repaired cracks before applying KITOCOAT RBE 5510.

Use a brush, squeegee, or spray for application. Mix container contents well, occasionally stirring during application. Dilute with 10% clean water when spraying. For hot or porous surfaces, dampen with KITOPRIME WB before applying KITOCOAT RBE 5510.

Apply two coats, with the second perpendicular to the first, ensuring the previous coat is fully dry before proceeding. If coating precedes screed or render, the final coat should include clean sharp sand, with excess sand brushed off. Allow each coat to dry before progressing, and if using a primer, ensure complete drying before subsequent coats.

Avoid applying KITOCOAT RBE 5510 to exterior areas during wet weather or anticipated rain. Shield the freshly applied product from rain until it has fully cured.

Coverage

Coverage varies based on the application type:
- General Use: 2-4 m²/L/coat at the required number of coats.

Shelf Life

KITOCOAT RBE 5510 has a shelf life of 12 months in sealed original containers when stored under cover, away from direct sunlight, and protected from extreme temperatures.

Packing

Available in a 200 kg drum and a 20 kg pail.

Cleaning

Clean tools promptly after use with water, and upon drying, utilize a solvent.



Storage

Store the drums and pails in a covered area, shielded from direct sunlight and extreme temperatures.

Prolonged exposure to sunlight and UV may lead to product deterioration, diminishing its shelf life.

Health & Safety

This emulsion is non-hazardous and non-flammable. Avoid prolonged skin contact and wear protective gear for hands and eyes. In case of skin contact, wash with soap and water. If the product comes into contact with eyes, rinse thoroughly with clean water. Wear protective clothing, including gloves and goggles.

If accidentally swallowed, do not induce vomiting; seek medical help immediately.

Product Disclaimer:

Kito products are guaranteed against defects in materials and manufacturing, and their sale is governed by our standard Conditions for the Supply of Goods and Services. The technical information provided has been meticulously compiled, and to the best of our knowledge, it is accurate and true as of the leaflet's printing date. However, continuous development efforts may lead to variations based on factors such as raw material availability, client specifications, and environmental conditions. The actual technical specifications may differ from those outlined herein, as we reserve the right to make changes, modifications, or improvements without prior notice.

All recommendations and suggestions are made in good faith and are intended for general guidance only. We do not imply or provide any warranty regarding application, as conditions of use and associated labor are outside our control.



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