

Elastic Coating with Enhanced Bitumen:
Ideal for Protective Applications.

KITOCOAT RBE 4510



Al Khalidiya
Water Proofing & Insulation Co. LLC

Description

KITOCOAT RBE 4510 is a durable, high-build emulsified rubber-modified bitumen coating designed to create a tough and elastic film. The cured coating is weatherproof and resistant to corrosive ground salts.

Uses

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

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

Advantages

- » Easily applied in a cold setting for convenience.
- » Demonstrates outstanding adhesion properties.
- » Single-component formulation for straightforward application.
- » Provides a dual benefit of both 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, [%]	45% (±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 sound, stable, and have an even finish. Clean thoroughly, removing dirt, dust, grease, and repairing cracks and holes before applying KITOCOAT RBE 4510.

Apply using a brush, squeegee, or spray. Thoroughly mix container contents, with occasional stirring during application. When spraying, dilute the product with 10% clean water. For hot or very dry porous surfaces, dampen with KITOPRIME WB before KITOCOAT RBE 4510. Recommend a two-coat application, with the second coat perpendicular to the first, ensuring each coat is fully dry before the next. When screed or render is applied, the final coat should be blinded with clean sharp sand and allowed to DRY.

Brush off excessive sand prior to applying the screed or render. If a primer coat is applied, allow it to dry completely before applying subsequent coats. Allow each coat to dry before proceeding.

Avoid applying KITOCOAT RBE 4510 to exterior areas during wet weather or anticipated rain. Safeguard the freshly applied product from rain until it has fully cured.

Coverage

The coverage varies based on the intended use. For general applications, the recommended coverage is 2-4 m²/L/coat, applying the required number of coats.

Shelf Life

KITOCOAT RBE 4510 maintains a shelf life of 12 months when stored in sealed original containers, under cover, away from direct sunlight, and protected from extreme temperatures.

Packing

Available in 200 kg drums and 20 kg pails for convenient packaging options.

Cleaning

After use, clean tools promptly with water, and upon drying, utilize a solvent for thorough cleaning.



Storage

Store the drums and pails in a covered area, shielded from direct sunlight, and protected from extreme temperatures. Prolonged exposure to sunlight and UV rays can lead to product deterioration, reducing its shelf life.

Health & Safety

The emulsion is non-hazardous and non-flammable. Avoid prolonged skin contact; wear protective gear for hands and eyes. Clean skin splashes with soap and water. If in contact with eyes, rinse thoroughly with clean water. Wear protective clothing such as 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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