

RAVAPROOF AVIPAST

Bituminous Emulsion



DESCRIPTION

AVIPAST is a water-based bituminous emulsion in a pasty form. After maturing it creates an indissoluble coat that cannot be affected by dilute acid and alkaline solutions.

PRIMARY USES

Due to its excellent adhesion and its easy application, it's suitable for protecting concrete substructures, brick constructions, floors, inclined roofs, etc. and protection against moisture and humidity. It can also be combined with concrete sand and latex bonding agents as to create a plastic mortar, with excellent mechanical resistance, which can be applied on industrial floors, gymnasium flooring, etc.

COMPOSITION

AVIPAST is produced by bitumen, in combination with special additives and water. It has a pasty form and doesn't contain any solvent.

PACKAGING

AVIPAST is available in 5 and 18kg plastic containers and 220kg drums (upon request).

STANDARDS

AVIPAST has been certified based on the international standards ASTM D 2939/98, ASTM D 95, ASTM D 1227/95, EN 1062-3, EN 1542, EN ISO 7783.

APPLICATION

The surface must be clean, and free of oils, grease, and any residues, before use. It can be applied either on dry or slightly wet surfaces. AVIPAST must be applied at least twice on each surface, by bristle brush, roller, or airless spray. For the first layer on Vertical Surfaces, thin out with 40-50% water. After the surface dries out, either thin out with ~30% of water or use it as it is and proceed on the second application. For the first layer on Horizontal Passable Surfaces, thin

out with 50% water. After the surface dries out proceed to the application of each next coat either as it is or after dilution with a small amount of water. AVIPAST can be combined with glass paper or/and burlap, creating an in-situ bitumen fabric.

The material should not be applied at temperatures lower than 5°C and higher than 35 °C, in conditions of increased humidity, rainfall, and potential rainfall or under direct sun exposition. Protect the final layer with reflective paint such as RECTIFLEX.

TYPICAL PROPERTIES

Color	Brown-black
pH	8-9 (25°C)
Density (ASTM D 2939/98)	1050-1150 gr/L
Residue after evaporation (ASTM D 2939/98)	54-56 % w/w
Volatiles (ASTM D 2939/98)	44-46 % w/w
Ash content (ASTM D 2939/98)	≤28 % w/w
Water content (ASTM D 2939/98)	44-46 % w/w
Drying time (ASTM D 2939/98)	<24h
Resistance to heat at 100°C (ASTM D 2939/98)	No blistering, sagging or slipping
Resistance to water at 27°C for 24h (ASTM D 2939/98)	No blistering or reemulsification
Flexibility at 0°C (ASTM D 2939/98)	No cracking / peeling / loss of adhesion
Flexibility at -4°C (ASTM D 2939/98)	No cracking / peeling / loss of adhesion
Water absorption (EN 1062-3)	0,07 kg / m ² h
Adhesion (EN 1542)	1,7 N/mm ²
Permeability (EN ISO 7783)	51,3[S _D] (m)

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CONSUMPTION

Consumption depends on the type of substrate and the characteristics of the intended use. Indicative for:

- Vapor Barrier: 0,3-0,6 kg/m² for each coat in 2 layers.
- Vertical Surfaces: Concrete or brick substructures protection 0,4-0,6 kg/m² in total. Watertight Coating: 1,5-2,5 kg/m² in total for multilayer application.
- Horizontal Surfaces: 2,0-3,0 kg/m² in total for water-proofing or 3,0-4,0 kg/m² for each coat is required when using reinforcement.

STORAGE

Use the product within one (1) year from the date of production. It should be stored indoors and at temperatures from 5-35°C. Close the package tightly after each use.

Storage under not recommended conditions will result in deterioration of the product or packaging.

SAFETY AND HEALTH

As with all chemicals, contact with eyes, mouth, skin and food should be avoided during use and storage. In case of contact with eyes and skin, use plenty of water and seek medical advice by referring label description and Safety Data Sheet. All used tools should be cleaned with water while the material is wet.

Seek medical attention immediately in case of contact with skin, eyes, or ingestion. Refer to the Safety Data Sheet for more information. The product is not classified as dangerous according to European Regulation 1272/2008.

Do not dispose of the material on the ground.

The information contained in this publication of RAVAGO HELLAS SA is believed to be accurate and provided in good faith, based on our current knowledge and experience, when the products are stored, used and applied under the prescribed conditions. Nevertheless is up to the Users to satisfy the suitability of the product for their own specific purpose.



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