

AVIPAST

Bituminous Emulsion



USAGE

AVIPAST is a water based bituminous emulsion in a pasty form. It is odorless, with zero aromatic solvents and non-flammable. When **AVIPAST** has become mature, it makes an indissoluble coat that cannot be affected by dilute acid and alkaline solutions. Its excellent adhesion and its easy application establish it as the most appropriate product for a wide variety of usages, especially for protecting concrete substructures, brick constructions, floors, inclined roofs etc. against moisture and humidity. You can also use it in combination with concrete and sand (and latex bonding agent ~5% w/w); in this case, it creates a plastic mortar, with excellent mechanical resistance, which can be applied on industrial floors, gymnasium floors, etc. It is certified according to ASTM D 2939/98, ASTM D 95, ASTM D 1227/95, EN 1062-3, EN 1542, EN ISO 7783.

COMPONENTS

Mix of bitumen, special additives and water.

APPLICATION

Before its application, cleaning the surface from rotten materials, dust, oil, lubricants and other waste material is recommended. It can be applied either on dry or slightly wet surfaces. **AVIPAST** must be applied at least twice on each surface (bedding). It can be applied by bristle brush, roller or airless spray. Vertical Surfaces: For the first layer (primer), thin out **AVIPAST** with 30-50% water. After the surface dries out (depending on the temperature, the substratum and the ventilation), you can either thin out **AVIPAST** with ~20% of water or use it as it is and proceed on the second application. Horizontal Passable Surfaces: For the first layer (primer) thin out **AVIPAST** with ~30% water. After the surface dries out you can 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

without joint gaps. Do not apply **AVIPAST** if the temperature is under 5°C or above 40°C or under the sun exposition, rain (not even if it is expected to rain within 10 hours of application). Protect final layer with reflective paint such as RECTIFLEX. **AVIPAST** becomes watertight just after it dries out.

PACKAGING

AVIPAST is available in plastic pails of 18kg and in drums of 220 kg (upon request).

CONSUMPTION

The consumption depends on the amount of the absorption and the structure of the surface. Indicatively for: Vapor Barrier: 0,6-0,8 kg/m² for each coat in 2 layers, Vertical Surfaces: Concrete or brick substructures protection 0,6-0,8 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 waterproofing or 3,0-4,0 kg/m² for each coat is required when using reinforcement.

STORAGE

You can use the product for two years after its date of production, kept in sheltered area, with temperature range of 5-35°C. If the product had been stored for a long time you can thin it out with water, if required.

SAFETY

The material is not classified as dangerous. In case of contact with eyes and mouth, rinse with plenty of water and be addressed to a doctor by showing the product's label and M.S.D.S. Hands must be cleaned with water and soap after each application. Tools can be cleaned with water when the material is still wet. Do not pour it on the ground or water. Always follow the related rules. For additional info ask the MSDS of this material from the producer.

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TECHNICAL SPECIFICATION

Description	Bituminous emulsion
Color	Brown-black
Odor	Light-Odorless
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)	Fulfilled, no cracking / peeling / loss of adhesion
Flexibility at -4°C (ASTM D 2939/98)	Fulfilled, 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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