

# AVIPAST SPECIAL

## Enriched bitumen emulsion



### USAGE

**AVIPAST Special** is a water based bituminous emulsion in a pasty form. It is odorless, with zero aromatic solvents and non-flammable. The difference from AVIPAST is that it includes bigger proportion of asphalt, resulting in a smaller absorption of water that leads to an extended life span. When **AVIPAST Special** has become mature, it makes an indissoluble coat that cannot be affected by 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 Special** 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 Special** with 30-50% water. After the surface dries out (depending on the temperature, the substratum and the ventilation), you can either thin out **AVIPAST Special** 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 Special** 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 Special** can be combined with glass paper or/and burlap, creating an in-situ bitumen fabric without joint gaps. Do not apply **AVIPAST Special** if the temperature is under 5°C or above 40°C or under the sun exposure, rain (not even if it is expected to rain within 10 hours of application). Protect final layer with reflective paint such as RECTIFLEX. **AVIPAST Special** becomes watertight just after it dries out.

### PACKAGING

**AVIPAST Special** is available in plastic pails of 5 and 18kg. Drums of 220 kg are available 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/m<sup>2</sup> for each coat in 2 layers, Vertical Surfaces: Concrete or brick substructures protection 0,6-0,8 kg/m<sup>2</sup> in total. Watertight Coating: 1,5-2,5 kg/m<sup>2</sup> in total for multilayer application. Horizontal Surfaces: 2,0-3,0 kg/m<sup>2</sup> in total for water-proofing or 3,0-4,0 kg/m<sup>2</sup> 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.

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### 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	Enriched bitumen emulsion
Color	Brown-black
Odor	Light-Odorless
pH	8-9 (25°C)
Density (ASTM D 2939/98)	1104 gr/l
Residue after evaporation (ASTM D 2939/98)	54,81 % w/w
Volatiles (ASTM D 2939/98)	45,19 % w/w
Ash content (ASTM D 2939/98)	27,54 % w/w
Water content (ASTM D 2939/98)	44,5 % 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 <sup>2</sup> h
Adhesion (EN 1542)	1,7 N/mm <sup>2</sup>
Permeability (EN ISO 7783)	51,3[S <sub>D</sub> ] (m)

**ATHENS**  
Head Office  
111, Lefkias str., Korymbi Attica  
14568, Athens, Greece  
Tel.: +30 210 81.61.857

**SALONICA Offices & Distribution Center**  
4, Ipeiros str., Kalochori  
57009, Salonica, Greece  
Tel.: +30 2310 79.66.53

**INOFYTA**  
Distribution Center  
55<sup>th</sup> km National Road Athens/Lamia  
32011, Inofyta, Viotia  
Tel.: +30 22620 30687

**CRETA**  
Offices & Distribution Center  
5<sup>th</sup> km National Road Iraklio-Moires  
71500, Iraklio, Crete Island  
Tel.: +30 2810 54.32.10

**N.ARTAKIEVIA**  
Rooftile Plant  
Profitis Ilias  
34600, N.Artaki Evia  
Tel.: +30 22210 43985

**ARMA VOIOTIAS**  
Bitumen Products Plant  
Stathmos  
32200, Arma Voiotias  
Tel: (+30) 22620 72083