

FELLOPOLTOS

Thermal and Sound Insulating Pulp

USAGE

FELLOPOLTOS is a pulpous, water-dissolvable varnish, with excellent heat insulating and sound absorbing properties. It has excellent adhesion - without using any primer- to almost every surface. The grains from the raw materials (0.2-0.5 mm) are uniformly dispersed in the mixture. The most common usage of **FELLOPOLTOS** is at air-ducts, providing sound absorption and heat insulation as it minimizes the thermal losses of the circulating air. Simultaneously we avoid vapor condensation that could corrode the metal surfaces. It also reduces the irritating noises that are caused by the oscillatory movements of the metal sheets. When it dries out, it can easily get painted and it gives a nice film to the surface creating a uniform film as it covers all the shapes of the surface without changing them. **FELLOPOLTOS** is recommended to be used in indoors application. However, when there is need to be applied onto outdoors surfaces, protection with acrylic waterproofing covering such as DECOUFLEX is necessary.

COMPONENTS

Inorganic fireproof mineral and acrylic polymers.

APPLICATION

Before its application, it is recommended that the surface is clear and free from rotten materials, dust, oil, lubricants and other waste material. It can be used either on dry or slightly damp (not wet) surfaces. **FELLOPOLTOS** can be diluted with water at about 10% w/w and depending on the surface we want to apply, we can use either roller, brush or airless spray. Total thickness of the crust should be at about 2-3mm of thickness. To achieve these dimensions, 2 layers should be applied-maybe 3 depending on the surface. Wait for about 24h before applying the next layer.

PACKAGING

FELLOPOLTOS is available in plastic pails of 18kg. and plastic barrels of 120kg (upon request).

CONSUMPTION

The consumption depends on the amount of the absorption and the structure of the surface. Indicatively about 1 kg/ m² /mm per layer is adequate depending the desirable result.

STORAGE

You can use the product for one year after its date of production, kept in sheltered area, with temperature range of 5-35°C, not under sun exposure. Keep away from ice. If the product had been stored for a long time you can thin it out with water, if it is required. Agitate the product with a low spin drill before use.

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. 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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TECNHICAL CHARACTERISTICS

Description	Thermal and sound insulation pulp
View	Pasty / fine grained
Color	Beige / light brown
Odor	Light / Odorless
pH	7-7,5 (25°C)
Density	1,10-1,15 g/cm ³ (EN ISO 2811)
Granulometry	0,2-0,5 mm homogeneously dispersed
Thermal conductivity, λ	0,123W/m*K
Solid Content	70-75% w/w (3h, 120°C)
Drying time 20°C	2-3h for thickness of 2-3mm (1kg/m ²)
Complete solidification for exposure to flame	>48h

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
 55th km National Road Athens/Lamia
 32011, Inofyta, Viotia
 Tel.: +30 22620 30887

CRETA
Offices & Distribution Center
 5th km National Road Iraklio-Moires
 71500, Iraklio, Creta 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