



EPOGRAN

TWO COMPONENT (A+B) COAL TAR EPOXY ADHESIVE & CRACK FILLER

GENERAL DESCRIPTION

EshaEpogran is a general purpose self priming 2 component coal tar epoxy adhesive for metals, concrete, road reflectors (cat's eyes), filling up small road joints and cracks etc. It exhibits an excellent adhesion & abrasion resistance and is highly **recommended for seawater under surface service**.

EshaEpogran is also excellent for underground surfaces & asphalt adhesion on concrete.

It is composed of special coal tar pitch, epoxy resins, toluene and special fillers.

The mixing of its 2 components results in a black viscous liquid, which, after hardening, provides an adequate adhesion with high resistance to chemical attack of weak acid and alkaline solutions, as well as petroleum derivatives.

USES

- Metals general adhesive
- Adhesive for road reflectors "cat's eyes"
- Filling up of road joints created for cables embedment
- Repair of road cracks
- Marine docks, ship hulls
- Tank interiors (do not breathe vapours)
- Marine barges (exterior)
- Pipelines interior & exterior surface repair of concrete elements



APPLICATION

Before use read carefully the "PRECAUTIONS" section.

A. SURFACE PREPARATION

Concrete/Asphalt:

For best results on concrete, light sandblasting or other suitable surface preparation is recommended. Compressed air is used to remove residual dust. The compressed air to be used, should be oil free. Apply only to dry surfaces.

Steel:

Corroded metal surfaces must be sand blasted before the application. Any surface blasted should be coated the same day. If prepared surfaces are contaminated by rust or other contaminants, they must be re-blasted.

B. MIXING

Mixing ratio A/B: 10/8,4 (by weight)

Agitate component A continuously for 3 min. Then do the same with component B.

Then mix the two components together & stir them for another 3 min till homogeneity is achieved.

EshaEpogran must be applied on the above prepared surfaces, within 30 minutes from the mixing of the 2 components.

For asphalt pavement layer cracks up to 5mm width inject carefully the pre-mixed components of **EshaEpogran** in to the crack. The final antiskid surface of **EshaEpogran** is achieved by sprinkling sand on the material and let it to cure. After curing, swipe off the excess sand in order to avoid FOD's in case where it is used as crack sealer at airport runways.

C. CONSUMPTION

Indicatively for a joint of 1cm width:

100 cm length x 1 cm width x 1 cm depth x 1,6 gr/cm³= 160 gr per linear meter

D. CLEANING OF TOOLS

Use gasoline or organic solvent (easily found in a paint-shop) immediately after use or upon spillage. Pay proper attention when using organic solvents. Mechanical abrasion may also be used if the material dries.



EPOGRAN

TWO COMPONENT (A+B) COAL TAR EPOXY ADHESIVE & CRACK FILLER

TECHNICAL CHARACTERISTICS

PROPERTIES	NOMINAL VALUE
COLOR (A+B)	Black
DENSITY	1.6 ± 0.05 gr/cm ³
HARDNESS	Pencil Hardness - H
Shore D	75
Flexibility of 3 mm thickness film	Passes ½ inch mandrel
Pot life	
at 25 °C, RH 50%	40 min
at 30 °C, RH 50%	30 min
Compressive strength after 7 days at 23 °C	60 N/mm ²
Tensile Strength	200 KN/cm ²
Elongation at break	1.40%
Adhesion to concrete	30 KN/cm ²
Adhesion to metal	50 KN/cm ²
Electric conductivity	>350 V/mm

Tolerances in the nominal values are in accordance with respective standards. Producer reserves the right to modify the properties of his products.

HEALTH PRECAUTIONS – ENVIRONMENTAL CONSIDERATIONS

T: Toxic N: Dangerous for the environment

Keep locked up and out of the reach of children. When using do not eat or drink. Do not breathe vapors or sprays of the material. Ensure good ventilation/exhaustion at the workplace. Avoid skin contact. Avoid eyes contact. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye / face protection. In case of accident or if you feel unwell, seek medical advice immediately.

Avoid exposure - obtain special instructions before use. Use appropriate container to avoid environmental contamination. Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point. Avoid release to the environment. Refer to special instructions/safety data sheets. For professional use only.

For more information please consult the material's MSDS.

PACKING

In 2 pails of total net weight of **5,5 kg**.

Directions given on or in the packages or containers will always prevail.

STORAGE

Stored for 6 months, in well protected and ventilated areas, at temperatures between 10-35 °C, in its originally closed containers.

The information contained in this leaflet is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. According to the care taken and the method of application, upon which we have no influence, the values are subject to divergence. Therefore for best results, prior to use, an application test should be made by the user under his own processing conditions.

Alfa-Alfa Energy S.A.
 ATHENS/CENTRAL OFFICES-FACTORY: Aspropyrgos Beach, 193 00 Aspropyrgos, Attica
 T +30 2105518700, F +30 2105572974 | SALONICA/OFFICES-WAREHOUSE: 18 Epirou Street,
 570 09 Kalochori, Salonica, T +30 2310783725, F +30 2310783326 | www.eshagr.gr • info@eshagr.gr



EN ISO 9001:2008
 Cert. No. 605/D/2010

EN ISO 14001:2004
 Cert. No. EN 47/P/2010