

## ELASTOBLACK PLUS

### Description

Multi-purpose ecological mono-component waterproofing paste, based on special elastomers and selected bitumen in a water dispersion, thixotropic, ready to use.

The innovative formulation with selected resins, synthetic rubbers and special additives gives the product specific characteristics of impermeability, elasticity, adhesion to the support, resistance to UV aging.

Easy to apply, ELASTOBLACK PLUS is ideal for coating irregular geometries in the construction of continuous waterproof layers, without joints subject to the risk of separation and infiltration.

Combined with the use of the specific ARMOFLUX PE 150 armature, in compliance with suitable climatic conditions for correct application, ELASTOBLACK PLUS allows the formation of waterproofing systems with absolutely reliable performance.

Once dried it does not drip at the high temperatures reached on the roofs, it remains flexible at low temperatures.

### Recommended use

High adhesion on all the most common supports, ELASTOBLACK PLUS is specific for:

- waterproofing of cement or wooden roofs, as an alternative to the classic waterproofing in limbs prefabricated bituminous or synthetic
- protection and sealing of metal surfaces (corrugated sheets, flashings).
- reconditioning and repair of old bituminous membranes

### Specifications

#### Product type

Mono component, ready to use

#### Appearance

Dense pasta

#### Color

Black

#### Specific weight

1.25 ± 0.05 kg / l (EN 2811-1)

#### Dry leftover

65% +/- 2

#### Consistency

Tixotropico

#### Water impermeability

≥ 500 Kpa (EN 14891)

#### Resistance to high temperatures of the dried film

≥ 150 ° C (EN 1110)

#### Cold flexibility of the dried film

-20 ° C (EN 1109)

## **Elongation**

1000%

## **Flammability**

The product is not flammable

## **Application temperature**

Avoid extreme heat / cold weather conditions.

Min. + 5 ° C (minimum floor temperature)

Max + 35 ° C

## **Drying (at 23 ° C and UR 65%) (\*)**

Superficial (to the touch): 60-120 minutes

In depth: 3-4 days

Coverage with the same product: 24 hours (48 hours on metal surfaces)

Coverage with water-based paint: 3-4 days

Coverage with solvent paint: 15-20 days

(\*) the times indicated may vary according to the different temperature / humidity conditions

## **Storability in stock**

12 months in original packaging closed and kept in dry environments, away from heat sources and protected from direct sunlight, with temperatures between + 5 ° C and + 35 ° C. Once opened, the package must be used quickly.

## **Application and quantitative data**

ELASTOBLACK PLUS can easily be applied as it is, without dilution, by brush or roller; in the conventional / airless spray application, dilution with fresh, clean water up to 5-10% max. Mix the product thoroughly before use.

## **Warnings for use and installation**

ELASTOBLACK PLUS must be stored in a cool place, at a temperature of  $\geq 5^{\circ}\text{C}$ , and protected from direct sunlight. He is afraid of frost; once the product is frozen, it can no longer be used.

## **Weather conditions**

The product must not be applied in unfavorable weather conditions; for correct maturation, ELASTOBLACK PLUS must be applied in good weather, avoiding extreme heat / cold weather conditions.

In any case, avoid the use in view of nightfall that bring the temperature of the laying surface to below + 5 ° C. In summer it is preferable to lay the product in the less hot hours, avoiding work with ambient temperatures  $> 35^{\circ}\text{C}$

In the still wet state, which is prolonged by lower temperatures, the product can be washed away by rain or damaged by dew or frost. The application of ELASTOBLACK PLUS on very hot surfaces causes the rapid evaporation of the aqueous vehicle, causing an irregular filming.

## **Laying surfaces**

They must be adequately smooth and planar equipped with the right slopes without areas of stagnation, dry, clean, free from dust, oils, greases, parts incoherent, friable, or detaching.

ELASTOBLACK PLUS can also be applied on slightly damp surfaces (with humidity less than 3%), knowing however that laying on damp substrates leads to certain delays in drying times; very wet laying surfaces may lead to possible swelling / detachment of the coating in connection with the evaporation of excess moisture.

In the treatment of surfaces larger than 20-25 square meters, or on stressed substrates, ELASTOBLACK PLUS must be laid with reinforcement of the specific ARMOFLUX PET armor, drowning the reinforcement in an abundant first coat of the still fresh waterproofing paste; the armor must be laid with overlaps of about 10-12 cm.

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In the treatment of surfaces larger than 20-25 square meters, or on stressed substrates, ELASTOBLACK PLUS must be laid with reinforcement of the specific ARMOFLUX PE 150 reinforcement, drowning the reinforcement in a first coat of the still fresh waterproofing paste; the armor must be laid with a 10-12 cm overlap.

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## Specific attention

ELASTOBLACK PLUS is resistant to UV rays. However, the optimal maintenance of its original characteristics, and of the expected functional performance, is carried out with the carryover of a protective coloring treatment with compatible colored paints (Savana Paint) or aluminum (Lampros Bit, Biverall).

Once well dried, and laid with reinforcement of the ARMOFLUX PE 150 armor, ELASTOBLACK PLUS lends itself to prudent and occasional pedestrian traffic.

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## Consumption and packaging

### Consumption

- On cementitious substrates and porous materials: 2.5 kg / m<sup>2</sup> in two passes
- On old bituminous membranes: 2.5 kg / m<sup>2</sup> in two passes
- On metal or slightly porous substrates: 1.5 kg / sqm in two passes

### Packaging

- Buckets of 5, 10, 20 kg
- Bucket of 1 kg

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## Application examples

### Waterproofing of cement surfaces

#### Operating phases:

- The surfaces must be adequately smooth and planar equipped with the right slopes without areas of stagnation, dry, clean, free from dust, oils, greases, parts incoherent, friable, or detaching.
- Correct any surface irregularities with the addition of special mortars, if necessary, and shave any protruding parts.
- Along the lines connecting horizontal / vertical surfaces apply a brush of Elastoblack Plus (250 g / m linear) with a brush and make it adhere to an Armoflux PE 150 armband width about 25 cm fold at right angles so as to go up again for 15 cm on the vertical part; overcome the contiguous sheets of about 10 cm.
- Wait 3-4 hours, depending on the weather conditions and in any case after the consolidation of the detail, apply a brush of Elastoblack Plus on the surfaces to be covered (covering the already prepared corner) and make the sheets of the Armoflux PE 150 reinforcement fabric; overcome the contiguous sheets of about 10 cm. Cover the reinforcement with a further pass of Elastoblack Plus. These operations involve a consumption of about 1.2 kg / sqm.
- After 24 hours, apply a new Elastoblack Plus pass (1.2 kg / sqm) with a brush, roller or spray for a total consumption of about 2.5 kg / sqm of product on the running surfaces.

Wait for the time of maturation in depth before a possible trampling.

Wait for the time required for any protective coloring.

### Reconditioning of an old mantle with bituminous membranes

#### Operating phases:

- Thoroughly clean the surfaces to be treated by brushing vigorously with the aid of a broom of essays, free the

discharge ways, possibly wash with water not under pressure, allow to dry.

- Regularize any bubbles, corrugations, corrugations of the membranes particularly pronounced and in order to prevent an adequate regularity and surface flatness of the coating to be applied. This operation can be carried out by cutting the raised parts, then allowing any water / moisture residues to evaporate;

- Along the horizontal / vertical connection lines, apply a brush of Elastoblack Plus (250 g / m linear) using a brush and join a Armoflux PE 150 armband, about 25 cm wide, bent at right angles so as to rise for 15 cm on the vertical part; overcome the contiguous sheets of about 10 cm.

- Wait 3-4 hours, depending on the weather conditions and in any case after the consolidation of the particular made, apply a brush of Elastoblack Plus with a brush, roller on the surfaces to be covered and make you adhere the Armoflux PE 150 nonwoven fabric sheets; overcome the contiguous sheets of about 10 cm. Cover the armor with a further pass of Elastoblack Plus. These operations involve a consumption of about 1.2 kg / sqm.

- After 24 hours, apply a new Elastoblack Plus pass (1.2 kg / sqm) with a brush, roller or spray for a total consumption of about 2.5 kg / sqm of product on the running surfaces.

Wait for the time of maturation in depth before a possible trampling.

Wait for the time required for any protective coloring

### Reconditioning of old metal surfaces

Operating phases:

- Hydro-cleaning with pressurized water to remove dirt formations.

- In the case of fractionated surfaces, ex. in corrugated sheet panels, apply one pass of Elastoblack Plus

along the connecting lines of the panels themselves, about 200 g / m linear, and make you join a Armoflux PE 150 armband of about 50 cm wide, surmounting the adjacent sheets of about 10 cm. Model the reinforcement on the profile of the panels.

- Wait 24 hours, apply a brush of Elastoblack Plus (700 g / sqm) by brush, roller, spraying, after a further 48 hours apply a new Elastoblack Plus pass (700 g / sqm) in the same way for a total consumption of about 1.5 kg / sqm of product.

- Wait for the time of maturation in depth before a possible trampling.

- Wait for the time required for any protective coloring

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