

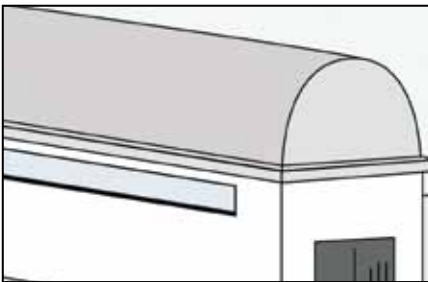
ELASTOLIQUID

WATER BASED ELASTOMERIC DECORATIVE WATERPROOF COATING FOR THE PROTECTION OF CONCRETE SURFACES, AND MINERAL WATERPROOFING MEMBRANES



PROBLEM

WATERPROOFING CONCRETE STRUCTURES WITH COMPLEX FORMS



How to waterproof and decorate concrete structures with a complex shape where the use of prefabricated polymer-bitumen membranes would be difficult and where the presence of heat sources and naked flames increases the risk of fire.

SOLUTION

CHARACTERISTICS	
A	H ₂ O
ONE-COMPONENT	WATERPROOF

ELASTOLIQUID is a liquid elastomeric waterproofing coating containing modified acrylic copolymers dispersed in water. After drying, **ELASTOLIQUID** forms a flexible, tough film which adheres perfectly to the surface on which it has been applied. It is recommended for application temperatures up to -5°C .

ADVANTAGES

- Reduces concrete carbonation.
- Excellent protection from aggressive agents in the air.
- The product is not flammable in a liquid state.
- Atoxic product.

FIELDS OF USE

ELASTOLIQUID is suitable for coating and waterproofing roofs made of concrete slabs and structures.

ELASTOLIQUID is suitable for waterproofing of concrete surfaces and polymer-bitumen membranes with slates which are self-protected by slate chippings or mineral granules.

On polymer-bitumen membranes or on old bituminous membranes the adhesion may vary depending on the age of the system and therefore the oil content still present in the bitumen. In these cases it will be necessary to test the adhesion of **ELASTOLIQUID** before proceeding with the application. **ELASTOLIQUID** is used to waterproof concrete balconies before fixing ceramic or clay tiles where the installation of a polymer-bitumen membrane is impossible.

METHOD OF USE

• SUBSTRATE PREPARATION

Concrete surfaces to be waterproofed must be clean, dry and free of dirt and powder. Any holes, fissures or cavities should have been previously filled and levelled with RESISTO UNIFIX mortar; where necessary, falls must be constructed to allow for the complete drainage of rainwater.

• APPLICATION

ELASTOLIQUID must be carefully mixed in its container before use (1). The first coat may be diluted with approximately 5-30% of water depending on the type and porosity of the support.

The product can be applied by brush, roller, broom or spray (2). Surfaces to be painted must have sufficient falls to allow the complete drainage of rainwater which would otherwise cause ponding, softening the film coating, seriously affecting its adhesion to the support. To achieve good protective results it is necessary to apply two coats of **ELASTOLIQUID** coating; the second coat should be applied at least 24 hours after the first coat has completely dried. On surfaces subject to micro-cracking **ELASTOLIQUID** coating can be reinforced by inserting the "non-woven" polyester fabric reinforcement RINFOTEX between the layers of the paint. In this case the yield of **ELASTOLIQUID** increases to 0.5 kg/m^2 .

COVERAGE

The consumption of the material depends on the type and porosity of the support and on the required

thickness of the waterproofing coating. Usually, when applying two or more coats, equal to a yield of 1 kg/m^2 , a dry film thickness of 0.4 mm is obtained, which will be sufficient to guarantee the waterproofing of the surface.

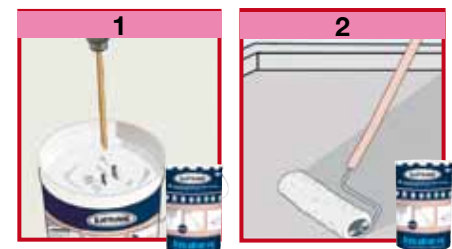
PRECAUTIONS

- Apply **ELASTOLIQUID** only on surfaces with a regular water flow. Do not apply on surfaces subject to ponding.
- It is unadvisable to apply the product on new bituminous surfaces, which have just been applied and normally show superficial efflorescence of hydrocarbons which creates some difficulties for the total adhesion of the **ELASTOLIQUID** film.
- When the use of **ELASTOLIQUID** is envisaged on a new bituminous surface, the last layer of this surface must have a mineral protected surface.
- When painting old bituminous surfaces, it is necessary to remove water-soluble dust before application by washing with water.
- The product is damaged by frost, keep the cans in closed environments at a temperature higher than $+5^{\circ}\text{C}$.
- Conditions of extreme heat and cold should be avoided during application. Do not apply if the temperature may drop below $+5^{\circ}\text{C}$ while the film is drying.
- Do not apply **ELASTOLIQUID** on very hot supports, as the filming process would be excessively

accelerated with negative consequences regarding the adhesion of the product to the support.

- Do not apply **ELASTOLIQUID** in foggy weather or in very humid conditions which delay the filming and drying processes. Do not apply the product when there is a risk of imminent rainfall which could wash away the paint which has not dried yet.
- The **ELASTOLIQUID** film cannot be considered to be a coating which can be walked on. The coating can be walked on only during occasional maintenance operations.
- After work, clean tools with water and in the presence of dry product, remove with white spirits or hot water.

METHOD OF USE				
				$+5^{\circ}\text{C}$
MIX MECHANICALLY	SPRAY APPLICATION	BRUSH APPLICATION	ROLLER APPLICATION	MINIMUM APPLICATION TEMPERATURE



TECHNICAL CHARACTERISTICS

ELASTOLIQUID	
Appearance	Pasty liquid
Colour	White RAL 9010 Grey RAL 7004 Red RAL 3009 Green RAL 6025
Specific weight (volumetric mass) at 23°C (UNI 8910)	1.40±0.03 kg/litre
Dry residue at 130°C (m/m) (UNI EN ISO 3251)	64±3%
pH	8.5-9
Ultimate elongation (NFT 46002) on 1.4 mm film (samples 50 mm×20 mm)	300-700%
Ultimate tensile strength on 1.4 mm film (NFT 46002)	10-40 kg/cm ²
Flexibility in cold conditions (-15°C) on 1.2 mm film (UNI EN ISO 1109)	test passed
Drying time (dust dry)	4 hours
Impermeability to driving rain 80 mm for 24 hours (UNI EN ISO 1928)	test passed
Resistance factor to vapour diffusion on 1.687 mm film (UNI 8202 part 23 ^a)	1.400 μ
Passage of water vapour on 1.687 mm film (UNI 8202 part 23 ^a)	15.2 g/m ² /24 hours
Flammability	not flammable
Storage in the original containers	12 months

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SAFETY REGULATIONS

GENERAL PRECAUTIONS



WEAR PROTECTIVE CLOTHING

- Avoid contact with the eyes.
- Do not throw residues down the drains.

PACKAGING

ELASTOLIQUID

- 20-kg Pail.
- 10-kg Bucket.
- 5-kg Bucket.

- FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE
- IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS

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