



ELASTOLIQUID STRONG

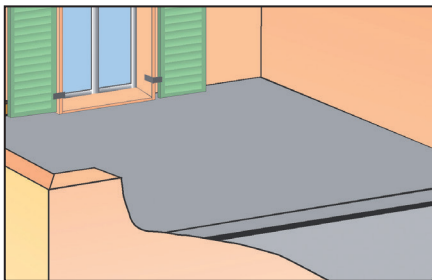
DECORATIVE, WATERPROOFING, FIBRE-REINFORCED ELASTOMERIC
WATER-BASED COATING
FOR PROTECTING CONCRETE SURFACES
AND OLD WATERPROOFING OF EXPOSED ROOFS

GRANTS *LEED* CREDITS

CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE				PRECAUTIONS
ONE-COMPONENT	WATER BASED	WATERPROOFING	ECO GREEN	MIX MECHANICALLY	SPRAY APPLICATION	APPLY BY BRUSH	APPLY BY ROLLER	STORAGE: KEEP AWAY FROM FROST

PROBLEM

WATERPROOFING CONCRETE SURFACES SUBJECT TO LIGHT FOOT TRAFFIC



Traditional waterproofing liquid membranes cannot withstand continuous foot traffic and are not resistant to high mechanical strain in general.

SOLUTION

ELASTOLIQUID STRONG is a ready-to-use elastomeric, waterproofing coating. It contains synthetic polymers dispersed in water and added special fibres which increase resistance to continuous foot traffic and to mechanical stresses in general. After drying, **ELASTOLIQUID STRONG** forms a strong film that sticks perfectly to the manufactured structures on which it is applied.

APPLICATION FIELDS

ELASTOLIQUID STRONG is recommended for covering and waterproofing concrete roofs. It can also be used for waterproofing concrete terraces before stoneware or clinker tiles are



bonded on, and, generally, on surfaces with complex geometrical shapes, where polymer bitumen membranes cannot be applied.

ELASTOLIQUID STRONG is suitable for waterproofing terraces with floors made of: concrete, polymer bitumen membranes self-protected with slate granules or mineral grit. On old polymer bitumen membranes or bitumen coverings, the adhesion varies according to the degree of ageing of the covering itself. In the above case it is necessary to check the adhesion of **ELASTOLIQUID STRONG** prior to application.

ADVANTAGES

- Greater resistance to foot traffic and mechanical stresses.
- Reduces degradation due to carbonation of concrete.
- Excellent resistance to UV rays.
- It is non-flammable.
- Non-toxic product.

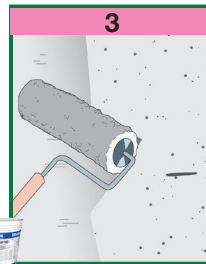
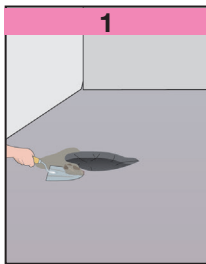
METHOD OF USE

• SURFACE PREPARATION

The surfaces must be clean, dry and free from impurities and dust. Any holes, cracks or other cavities must be evened off with RESISTO UNIFIX mortar (1) and any artificial slopes to drain rainwater must be remade.

• MIX PREPARATION

For very crumbly and dusty surfaces, it is recommended to apply **ELASTOLIQUID STRONG** diluted with 30% water. **ELASTOLIQUID STRONG** must be mixed carefully in the packet before use. The product is ready to use and dilution with water is not recommended; if necessary dilute with maximum 10% water (2).



• APPLICATION

It can be applied with a roller, spatula or brush (3). The surfaces to be painted must have a minimum slope so that all the rain water can run off, which would otherwise cause the film to soften in the areas of stagnation. For good protection it should be applied in crossover coats; the second coat must be applied on the film of the first dry coat.

ELASTOLIQUID STRONG coating can be strengthened by placing a non-woven polyester reinforcement called RINFOTEX; in this case,

its consumption will increase of 0.5 kg/m². Expansion and perimetric joints will have to be sealed by using COVERBAND ADHESIVE.



• CONSUMPTION

The consumption of material depends on the nature of the support, how porous it is and (See following)

TECHNICAL CHARACTERISTICS

	Standard	ELASTOLIQUID STRONG
Appearance		Pasty liquid
Colour		Grey RAL 7004 Red RAL 3009
Apparent density	EN 2811-1	1.40 ± 0.05 kg/ℓ
Viscosità Brookfield	Met. interno	25 000 ÷ 35 000 cps
Dry residue - at 130°C	UNI EN ISO 3251	64 ± 3%
Shelf life in original packaging (dry stored)		12 months
Mix characteristics and workability	Standard	
Application temperature		+5°C ÷ +35°C
Application thickness		0.8 ÷ 1.00 mm (two coats)
Tempo di attesa - dust-free drying (*)		4 ÷ 6 hours
Waiting time - touch dry (*)		6 ÷ 8 hours
Application		manual or spray
Performance characteristics	Standard	Product performance
Class and type	EN 1504-2	C PI-MC-IR
Cold flexibility	UNI 1109	-5°C
Permeability to aqueous vapour	EN 7783	5 m ≤ Sd < 50 m - class II
Adherence test	EN 1542	≥ 1.0 MPa
Capillary water absorption	EN 1062-3	w < 0.01 kg/m ² ·h ^{0.5}
Permeability to CO ₂	EN 1062-6	Sd > 50 m
Ultimate elongation	NFT 46002	100 ÷ 250%
Ultimate tensile strength	NFT 46002	1.5 ÷ 3.0 MPa
Thermal resistance - Operating temperature		-30°C ÷ +90°C
Hazardous substances	EN 1504-2	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorberency.

(*) The times indicated will be longer or shorter as the temperature drops or rises.

Pursuant to European standard EN 1504-2 - General principles for the use of products and systems.

(See previous)

the thickness you wish to obtain. By applying two coats, which means a consumption of 1.5-2 kg/m², an average dry film thickness of 0.8 mm is obtained.

• PRECAUTION

- Only apply on surfaces with good water drainage. Do not apply on surfaces subject to water stagnation.
- Do not apply on very hot surfaces because the film-forming process would be accelerated excessively with negative consequences on the product's cohesion and bonding to the surface.
- Keep the containers sealed before use.
- Apply at temperatures between +5°C and +35°C. Do not apply in excessively hot or cold conditions. Do not apply when there is a risk of the temperature falling below +5°C while the painted film is drying.
- Do not apply in foggy weather or in very humid conditions which delay the filming

and drying process. Do not apply the product when there is a risk of imminent rainfall which could wash the paint that has not dried yet.

- New, just applied bituminous surfaces usually have superficial 'outcrops' of hydrocarbons, which make perfect adhesion of film a problem. We recommend you to paint the coverings only 6 months after laying - this period is usually sufficient to eliminate surface 'outcrops'. However, just waiting is not always enough. Therefore, we advise making an estimate, by empirical tests with adhesive tape, in order to evaluate the quantity of dirt and, if necessary, the adhesion of the paints (the tests are described in the booklet entitled "The waterproofing guide"). If the surface is dirty, clean by brushing and wash with water. Should it be laid on a new covering, the surface of the last layer must be slated.

- If it's applied to sand-blasted polymer bitumen membranes laid on insulating packages it must be used in combination with RINFOTEX reinforcement.
- After use of these products, clean the tools with oil or other common diluents (synthetic, oil of turpentine, nitre). Deep the tools and avoid the product drying on them also during application.
- Keep original packaging at temperature not lower than +5°C. Close them after use.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

ELASTOLIQUID STRONG

20-kg Pail
5-kg Can

• 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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