

ELASTIC TOP

Waterproofing membrane and anti-UV elastomeric top coat applicable at low temperatures



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Description

ELASTIC TOP is a compound of elastic copolymers with a broad distribution of the molecular weight dissolved in aliphatic and aromatic hydrocarbon solvents, additives, pigments and inorganic fillers.

Once cured, the film features excellent resistance to UV rays, excellent adhesion to various types of supports and good cold elasticity which it retains over time.

Colour

The product is available in four standard colours: BIANCO, GRIGIO, ROSSO and VERDE.

Field of application

ELASTIC TOP is used for:

- The creation of low-thickness liquid membranes applicable also during very cold periods.
- Protective anti-UV elastic finishes.

The typical laying supports for ELASTIC TOP include:

- Waterproofing membranes with reinforcement.
- Sprayed expanded polyurethane.
- Metal roofs.
- Valley gutters and cement objects.

Advantages

- ELASTIC TOP can be applied at temperatures even below 0°C.
- ELASTIC TOP possesses excellent resistance to UV rays.
- ELASTIC TOP is impermeable to water if applied in quantities equal to or above 600 g/m².

General preparation of the laying support

- ▶ Old bitumen membranes

Clean the surface thoroughly in order to remove dust, dirt, grease, oil, old adhesives or paint, efflorescence, moulds and any other foreign matter.

- ▶ New bitumen membranes

New surfaces do not require any specific preparation.

Specific preparation of the laying support

- ▶ Old and new bitumen membranes

- Wait for the surface to dry completely.
- Apply one coat of FONDO IGRO SL on the dry surface using a roller (consumption: 150 g/m², see Technical Sheet).
- On the wet product, lightly sprinkle with 01–0.6 mm QUARTZ sand.
- Wait until the following day before applying ELASTIC TOP.

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► Slated membranes

- Wait for the surface to dry completely.
- Apply, on the ENTIRE surface of the membrane, one coat of FONDO IGRO SL using a roller (consumption: 200–250 g/m², see Technical Sheet).
- On the wet product and only ON THE ZONES WITHOUT CHIPPINGS, lightly sprinkle with 01–0.6 mm QUARTZ sand.
- Wait until the following day before applying ELASTIC TOP.

Preparing the product

- Homogenise the contents of the bucket of ELASTIC TOP with a professional mixer before use.
 - Wait 3–4 minutes for the mixed product to deaerate (the product has a slight thixotropy-gel effect).
 - If necessary, reduce the viscosity during the application phase with SOLVENT FOR ELASTIC TOP.
- This is typical of applications with airless sprayer.
The maximum dosage of thinner is 1 l for 10 kg of ELASTIC TOP.
- The product's dilution does not alter its thixotropy.

Application of the product

► Old and new bitumen membranes and slated membranes

- The following day, prepare the surface with FONDO IGRO SL, apply a first coat of ELASTIC TOP using a roller, brush or by spraying.
- Lay one MAT 22 reinforcement wet-on-wet and saturate the surface well with a second application with a roller.
- Wait until the following day for the reinforced layer of ELASTIC TOP to cure.
- Apply the top coat, taking care to saturate all possible pores in the reinforcement.

► Other new surfaces

- Apply, on the dry surface, the first coat of ELASTIC TOP using a roller, block brush, scrubbing brush or by spraying.
- Wait 8–12 hours until the first coat cures completely.
- Apply the second coat.

Protect ELASTIC TOP against rain during the first 12–24 hours after application (depending on the temperature).

Consumption

type of application	minimum consumption	maximum consumption	UoM	dilution
On waterproofing membranes and sheet metal (2 coats)	0,8	1,5	kg/m ²	-
On sprayed polyurethane (2 coats)	1,5	1,6	kg/m ²	-
As a reinforced waterproofing membrane (3 coats)	2,3	2,5	kg/m ²	-

Cleaning of tools

- Wet product: clean with ACETONE, SOLVENT FOR ELASTIC TOP or nitro thinner.
- Hardened product: remove mechanically, soak for at least 24 hours in ACETONE or nitro thinner, or use paint strippers (FLUID STRIPPER or GEL STRIPPER).

Useful application tips

- Protect ELASTIC TOP against rain during the first 12–24 hours after application (depending on the temperature).
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the airways using a dust mask equipped with A organic vapour filters (brown strip) or combined (multicolour strip) ABEK filters (as per the EN 141 standard).
- Read the Safety Sheet carefully before using the product.

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Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C, EN ISO 2811-1	kg/L	1,22 ± 0,05
Brookfield apparent dynamic viscosity (23°C / 50% R.H. ASTM#5 spindle, 70 rpm), EN ISO 2555	mPa*s	3000 ± 800
Odour	-	Of solvent
Appearance	-	Uniform pasty liquid
► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Surface drying time (20°C, 50% R.H.), EN ISO 9117-3	hours	8,0 ± 0,5
Minimum film-forming temperature (MFFT), ISO 2115	°C	-5 ± 1
Impermeability to water, testing time 24 hours, EN 1928	kPa	> 60
Permeability to water vapour (μ), dry cup method, with reinforcement, thickness 0.68 mm, DIN 52615	-	9000 ± 500
Rupture load (traction) at +23°C, without reinforcement, 50 mm/min, thickness 0.68 mm, EN ISO 527-1	N/5 cm	>5
Elongation at break at +23°C, without reinforcement, 50 mm/min, thickness 0.68 mm, EN ISO 5	-	>800%
Cold flexibility, EN 495-5	°C	-15
Cold flexibility [after exposure to UV radiation in the presence of humidity (2470 hours) according to EOTA TR010, without reinforcement], EN 495-5	°C	-15
Peel strength at 180° (180° peeling) on concrete, EN 28510-2	N	>80
Peel strength at 180° (180° peeling) on expanded PU, EN 28510	N	>80

Storage of the product

- 24 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +35°C.
- Protect the product against frost.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
Grey	fustino met. da 5 kg	YES	120 fustini	
Grey	fustino met. da 20 kg	YES	33 fustini	
VERDE	fustino met. da 5 kg	YES	120 fustini	
VERDE	fustino met. da 20 kg	YES	33 fustini	
TIER 1 COLOUR	fustino met. da 5 kg	YES	120 fustini	
TIER 1 COLOUR	fustino met. da 20 kg	YES	33 fustini	
TIER 2 COLOUR	fustino met. da 5 kg	YES	120 fustini	
TIER 2 COLOUR	fustino met. da 20 kg	YES	33 fustini	
TIER 3 COLOUR	fustino met. da 5 kg	YES	120 fustini	
TIER 3 COLOUR	fustino met. da 20 kg	YES	33 fustini	
TIER 4 COLOUR	fustino met. da 5 kg	YES	120 fustini	
TIER 4 COLOUR	fustino met. da 20 kg	YES	33 fustini	

Legenda ADR:
S1' = merce PERICOLOSA

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not refore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this datasheet.

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EDITION

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