

News TECHNOLOGY

INNOVATION

Waterproofing Coating for Old and New roofs, Floor slabs, Balconies, Terraces, Viaducts.

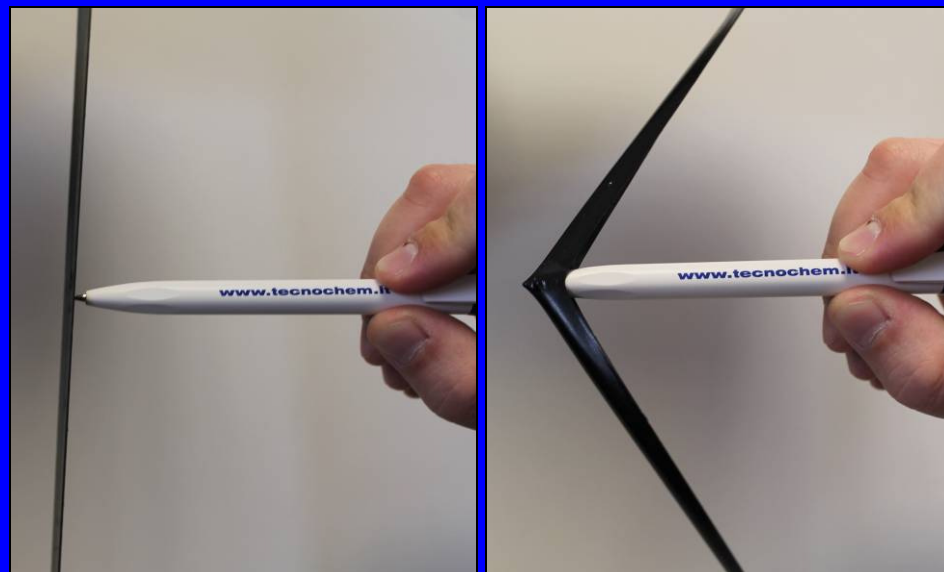
TECNOCHEM
I T A L I A N A S P A

Liquid Elastic Waterproofing Membrane

EPRBC - Elastomeric Polymeric Reactive Bituminous Complex in aqueous emulsion

SYSTEMS

ELASTOBIT-tec DR/catio
ELASTOBIT-tec EP/finish



Super Elastic
Anti Punch

ELASTOBIT-tec DR/catio:

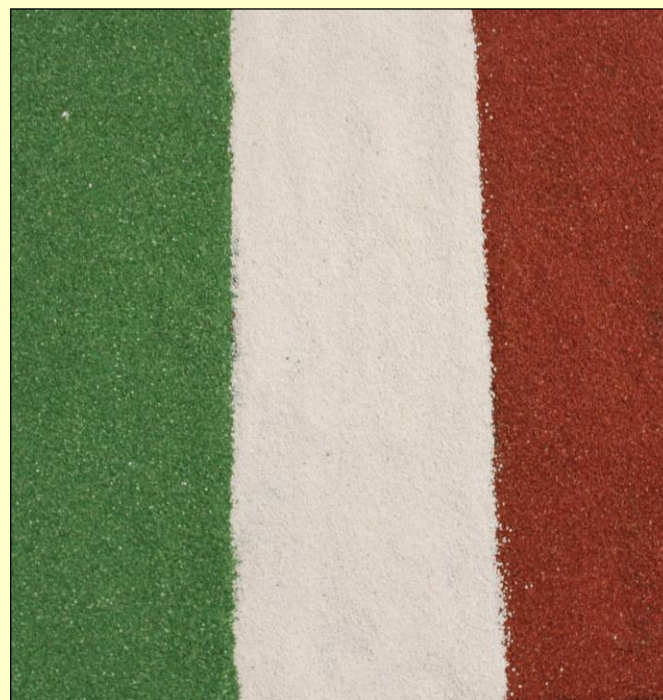
Gripping layer with for cationic reactivity before application of **ELASTOBIT-tec EP/finish** especially on wet or difficult substrates.

ELASTOBIT-tec EP/finish:

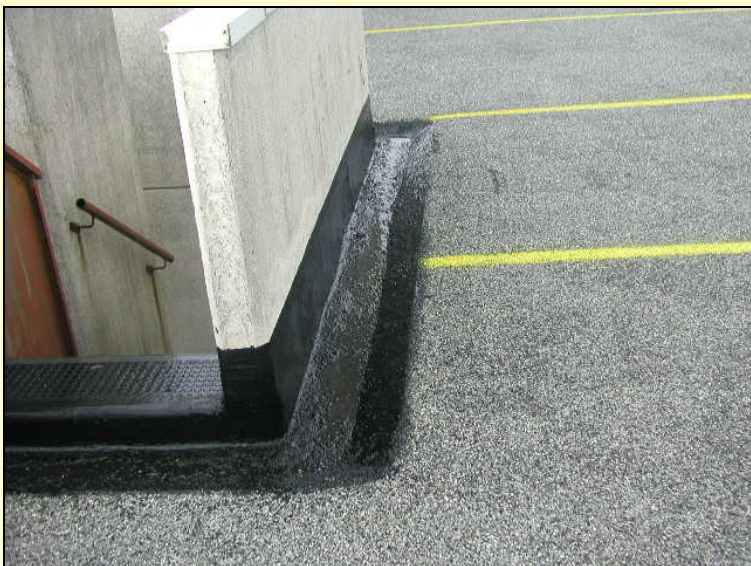
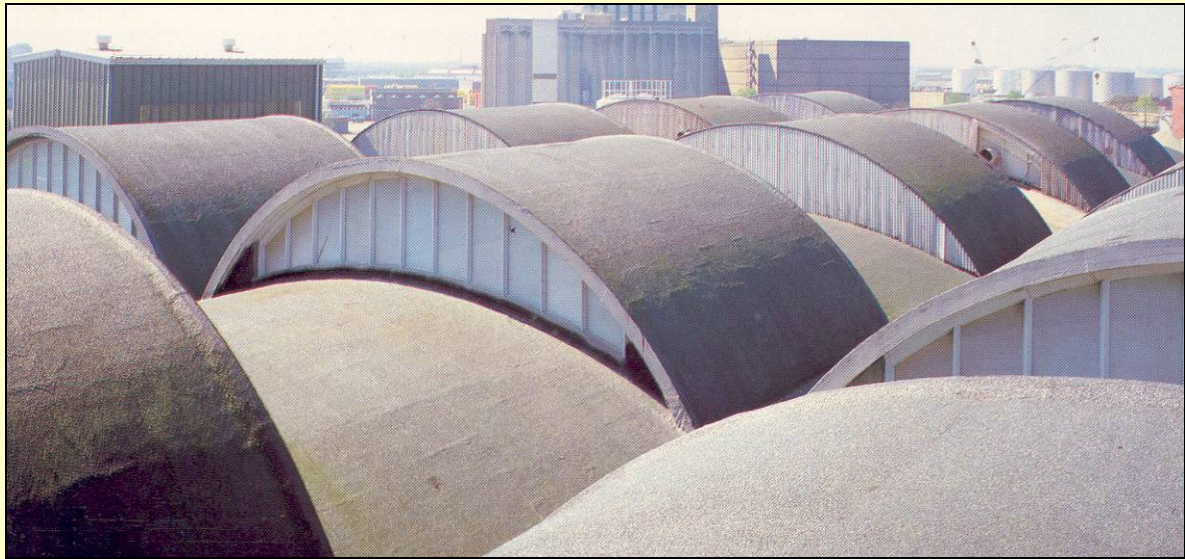
On new roofs and for the restoration of old and degraded roofs.

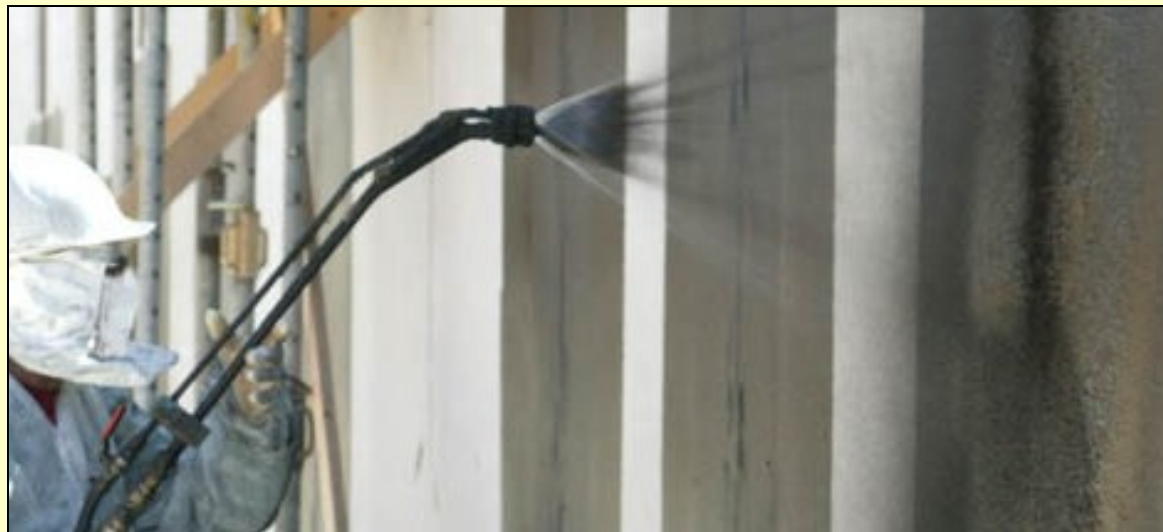
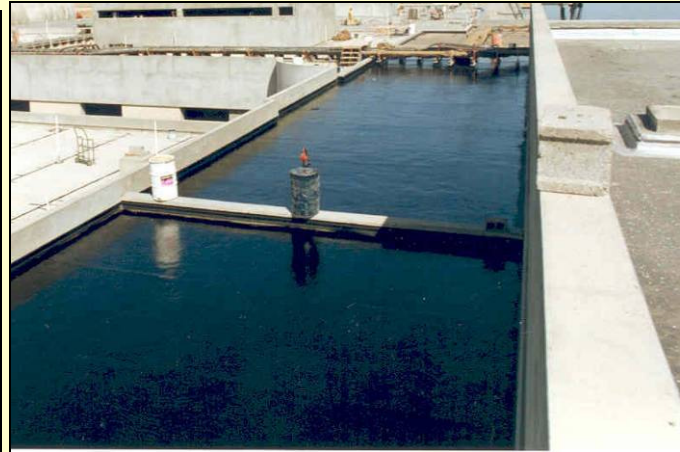
Continuous coating with high elasticity and performance even with low temperatures (-20°C). Perfect adhesion on most construction materials: concrete, steel, insulation materials, brick and cement, old waterproofing. Functional even at the outside of foundations, basements, structures in contact with humidity.

***Elongation 900%, elongation till break 1400%, unalterable by ultraviolet or ozone, unalterable in a temperature range between -20°C and +130°C, does not dry out and does not crack in the presence of wind, acid rain, salts.
Consumption: 1 kg/m² per layer***



Application on the fresh applied material of coloured marble grey, white/ red/ green





Waterproofing of rampant slabs with a slope of 40% engaged to tests of military vehicles, trucks, tanks

Intervention sequences :

- Realisation of the reinforced concrete vertical walls for the delimitation of the ramp.
- 1° reinforced concrete cast with steel rods inserted. After curing of about 2 weeks, application, in correspondence of the steel rods, of 1° layer of **ELASTOBIT-tec DR/catio**



Application on the all the surface, of a layer of **ELASTOBIT-tec DR/catio** in ratio of 1 kg/m², thickness 0,8-1 mm.

The same product was applied along the lapel of the vertical walls to a height of about 30 cm.

ELASTOBIT-tec DR/catio has a cationic surface reaction, is more liquid and clogs the pores and small cracks, having also the function as adhesion promoter.



After about 48 hours, a second layer of **ELASTOBIT-tec EP/finish** has been applied in a ratio of about 1,5 kg/m², thickness 1-1,5 mm.



After 2-3 days, a steel mesh was placed directly on the waterproofing product and a second reinforced concrete slab has been installed with insertion of rocks and stones to create roughness designed for testing vehicles.



Finished work

Waterproofing coating for industrial buildings on deteriorated bitumen membranes

Intervention sequences :

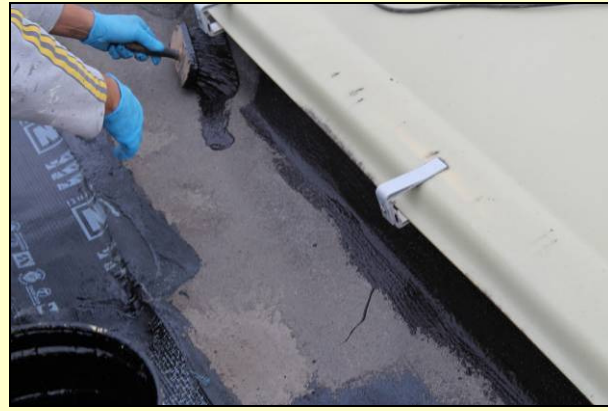
Cleaning of the existing bituminous membrane, with welding of the loose particles, and removal and replacement of deteriorated and destroyed parts.

In this phase also those parts of the membranes that are blistered and swollen with even water underneath will be removed and replaced.

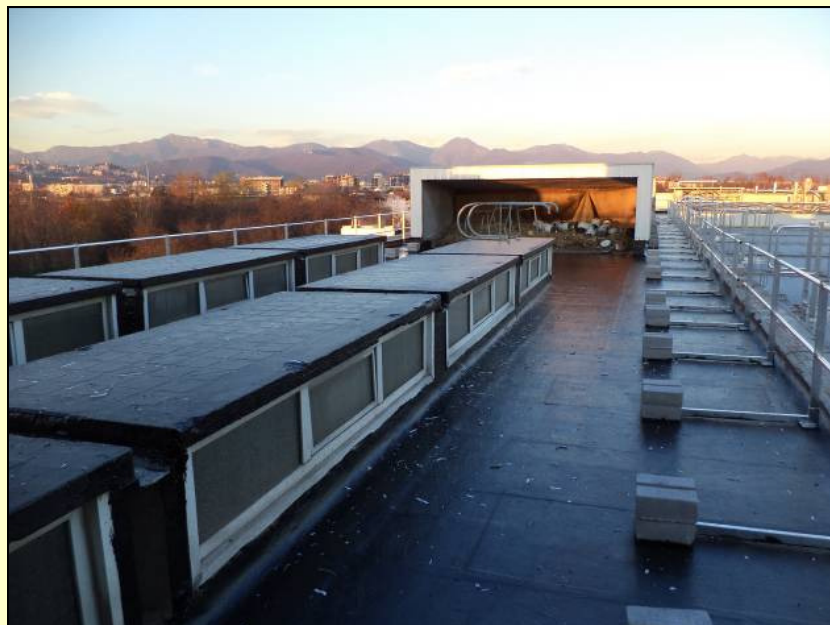


Application of a first layer **ELASTOBIT-tec DR/catio** in yield of 1 kg/m², with special attention to zones with change of slope, lapels, joints. **ELASTOBIT-tec DR/catio** is cationic based, is more liquid and clogs the pores and small cracks, having also the function as adhesion promoter.





After minimum 24 hours, a second layer of **ELASTOBIT-tec EP/finish** is applied in a yield of 1,5 kg/m², thickness 1-1,5 mm



Waterproofing of Viaducts/Bridges with ELASTOBIT-tec Multistrato followed by Motorway Drainage Asphalt



Extract of the technical datasheet

**ELASTOBIT- tec
DR/catio**

Product property	Standard	Unit of measurement	Specification	Class
EMULSION				
Viscosity 4 mm 40°C	EN 12846-1	s	10 - 45	6
Adhesion	EN 13614	% coverage	≥ 90	3
Break value	EN 13075-1	none	170 - 230	6
Binder content [100%-content in water]	EN 1428	% weight	63 - 67	6
Sieve Residue 0.5 mm	EN 1429	% weight	≤ 0.5	4
Product after completion of film formation	EN 13074-1			
Penetration 25°C	EN 1426	0.1 mm	≤ 100	3
Softening point [Ring & Ball Method]	EN 1427	°C	≥ 55	2
Maintaining elasticity 25°C	EN 13398	%	≥ 50	4

Extract of technical datasheet

**ELASTOBIT- tec
EP/finish**

Minimum solid content	70%
Elongation	900%
Unaltered under the action of ultraviolet rays and ozone	
Unaltered under temperature variations in the interval -20° to 130°C.	
Elastomeric content :	15-20%
Does not dry out or crack over time in the presence of wind, salt or acid rain.	
Density:	1.1. gr/cm ³
Elongation till break :	1.450% with load 5 kg/cm ²
Vapour transmission resistance :	540 x 10°C m/sec.
Elongation :	from -12°C 800% to +20° 900%
Thermal conductivity:	0.15 Kcal/m ² h °C.
Consumption :	1 Kg/m ² per layer.

Request for Information and/or Assistance :

**send an e-mail to ‘Project Promotion and Assistance Office’ -
uapp@tecnochem.it**

