



Systems for  
waterproofing  
De-humidification,  
Hydrophobation



Certified Quality System since **FEBRUARY 1993**

*From Project to Jobsite*

## ELASTOBIT-tec DR/catio

### EPRBC - Elastomeric Polymeric Reactive Bituminous Complex

#### IMPERMEABLE COATING BASED ON CATHIONIC HIGH QUALITY BITUMEN AND ELASTOMERS IN WATER EMULSION

**Description** ELASTOBIT-tec DR/catio is a high quality bitumen-based waterproofing coating and with elastomers in water emulsion. ELASTOBIT-tec DR/catio allows cold application on any building material. The cation base provides excellent adhesion even on damp surfaces. ELASTOBIT-tec DR/catio is not flammable and is specifically indicated for the re-waterproofing of degraded waterproofing coatings.

**Indications of use** Repairs of existing bituminous membranes. Waterproofing balconies and terraces. Waterproofing of viaducts and bridges.  
As gripping layer before application of ELASTOBIT-tec EP/finish, when especially good adhesion is required on difficult substrates.

**Remark** ELASTOBIT-tec DR/catio must be applied in appropriate ambient conditions (temperature  $\geq 6^{\circ}\text{C}$  and relative humidity  $<80\%$ ) because the film formation can occur only after the evaporation of the contained water to form a dense and homogeneous film. Mix before use and apply with squeegees, with a brush or by spraying: at  $20^{\circ}\text{C}$  and 65% RH, the film formation occurs in about 10 hours.

**Properties** Simple application. High elasticity even at low temperatures. Excellent adhesion on most construction materials. ELASTOBIT-tec DR/catio, cationic-based allows adhesion on even wet surfaces. The cold application allows savings in labour and is simple and fast. The viscosity of the material allows the sealing of the porosity and cracks in the substrate.

**Preparation of substrate** The surfaces must be clean and free of dirt. Repair cracks or holes with ELASTOBIT-tec DR/catio and RETEVER.

**Method of use** ELASTOBIT-tec DR/catio is applied cold directly on the substrate, with a brush or roller. For large surfaces ELASTOBIT-tec DR/catio can be applied by means of a spray system. ELASTOBIT-tec DR/catio can be applied on damp substrates, and allows rapid drying even with weather conditions which are not particularly favourable. ELASTOBIT-tec DR/catio must be applied in one or more layers for a total consumption of 1-1.5 kg/m<sup>2</sup>.



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<b>Technical characteristics (typical)</b>	Solid content:	65%
	Density :	1,03 gr/cm <sup>3</sup>
	Flash point :	non flammable
	Inalterable up to a -18°C	
	Elongation :	1000%

Product property	Standard	Unit of measurement	Specification	Class
<b>EMULSION</b>				
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
<b>Product after completion of film formation</b>	<b>EN 13074-1</b>			
Penetration 25 °C	EN 1426	0.1 mm	≤ 100	3
Softening point [Anello & Sfera]	EN 1427	°C	≥ 55	2
Maintaining elasticity 25 °C	EN 13398	%	≥ 50	4

**Packaging** Pails of 25 Kg and drums of 200 kg on request.

**Safety instructions** Read carefully the Material Safety Datasheet of the product.

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below. Eventual variations are traceable on our website [www.tecnochem.it](http://www.tecnochem.it) where the most updated datasheets can be retrieved.

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