

*From Project to Jobsite*

## TECNORIV ELAST

### ACRYL-SILOXANE COATING WITH DURABLE FLEXIBILITY FOR THE PROTECTION AND FINISHING OF CONCRETE AND MASONRY

 approved – Certificate n. 1305 - CPD - 0808  
EN 1504-2 type ZA.1d

**Description** TECNORIV ELAST is a formulation based on special **acryl-siloxane** polymers suitable for "elastic protection" of concrete and masonry even when exposed to aggressive environmental conditions.  
It has excellent and durable adhesion and flexibility and optimal aesthetics. Smooth finish.

**Advantages**

- Fast and simple application by roller, or by spraying
- Is water based, and does not contain toxic ingredients. Does not smell.
- Is waterproofing, but still water vapour permeable.
- Excellent adhesion to the substrate.
- Permanent bridging of micro-cracks. Extremely good performance in elongation and recovery without cracking.
- Durable, and resistant to and protection against acid rain, frost/thaw action, UV light, with stable colours.
- It has anti-algae and anti-mould properties.

**Indicated use**

- Protective and decorative finish for facades in concrete or masonry, even in aggressive environments, like in industrial areas, ..etc
- As protection against the penetration of carbon dioxide
- As flexible coating of micro cracks in the support.

**Method of use** The substrate must be dry and clean, without any efflorescence, traces of oil, algae, .. or any other substance which may decrease the adhesion. Traces of algae must be cleaned first with a fungicidal wash, such as antiALMUF-tec. Eventually this treatment must be repeated a few times. Allow to dry before continuing the further applications.  
In the case of micro cracks, apply TECNORIV ELAST by brush over them, and allow drying (4-6 h. depending on climatic conditions).  
Eventual damages, large cracks, or irregular substrates can be repaired by products of the BS 38 MuCis® (structural) or RASTUCCO RASATURA (only as final fairing coat, not structural).  
In the case of porous substrates, apply first the primer PRIMER WB MuCis® for the homogenisation of the substrate and reduction of the suction, to avoid entrapped air-bubbles.  
Before starting to apply, mix the coating properly. Do not add water!  
Apply by brush, roller or by spray application, but make sure to finish always in the same direction.  
TECNORIV ELAST is applied in 2 layers. Wait till the first layer is completely dry before starting to apply the second layer. This can take 6 to 8 hours.

## From Project to Jobsite

- Remark**
- Do not apply when temperature is lower < 8 °C.
  - Applications in high humidity or rain should be avoided

**Packaging** Pail of 25 Kg.

**Consumption** 300÷500 gr/m<sup>2</sup>

**Storage** 1 year in unopened original packaging.  
Avoid frost. Keep in protected environments and off the ground.  
Do not stack more than 4 pails.

**Technical characteristics (typical values)**

• Solid content in weight	~ 60 %
• Consumption per layer	150 ÷ 250 g/m <sup>2</sup>
• Dry thickness (250 g/m <sup>2</sup> )	~ 85 μ
• Density EN ISO 2811-1	1,32 ÷ 1,40 kg/l
• Viscosity Brookfield LV EN ISO 3219	~ 17000 mPa.s
• Tack free (I-54)	~ 60 minutes
• Capillary absorption and water permeability EN 1062-3	< 0,0 kg/m <sup>2</sup> /h <sup>0,5</sup>
• Water vapour transmission gradient EN ISO 7783-1	V = 64,8 g/m <sup>2</sup> x d S <sub>D</sub> = 0,32 m
• Water vapour diffusion resistance coefficient (μ) EN ISO 7783-1	~ 1000
• Permeability to CO <sub>2</sub> EN 1062-6	S <sub>D</sub> = 435 m
• CO <sub>2</sub> (μ) diffusion resistance coefficient EN 1062-6	~ 1.300.000
• Adhesion by direct tensile EN 1542	> 3 N/mm <sup>2</sup> (A 40%; B 60%)
• Flexibility to low temperature	Up to - 35 °C
• Elasticity elongation	150 %
• Elastic recovery	60 %
• Salt spray (resistance)	More than 500 hours

**Colours** As the colour chart.  
The lot number on the packaging determines the production lot. Between a batch and the other slight differences in colour can occur. For optimal compliance of colour it is recommended to apply the product in similar climatic conditions.

**Precautions** TECNORIV ELAST is not harmful. It is advisable to wear gloves. In case of contact with eyes, rinse immediately with plenty of water. Keep away from children. Do not ingest.

**Safety indications** Read carefully the safety indications on the packaging, or consult the relevant Material Safety Datasheet of this 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.