

# ELASPLAST ROL 10 MuCis

*Two component, cementitious flexible, elastomeric waterproof coating for concrete surfaces.*

ELASPLAST ROL 10 MuCis is based on special cements and selected additives which catalyse and participate in the polymerisation to obtain an elasto-plastic waterproofing and protective membrane for positive and negative water pressure.

The flexible membrane contains corrosion inhibitors MuCis- Multiple Corrosion Inhibiting Synergies.

## Benefits

- Applicable by brush, roller or by trowel.
- Waterproofing for positive pressures (> 3 bar) and negative water pressure (1.5 bar)
- The product has crack bridging properties to cover cracks upto 1 mm.
- The elasticity is held until a temperature of 10°C
- Optimal adhesion at a sound and good substrate.
- The product can be applied at all conditions upto 5°C unless it is freezing or windy rain conditions.
- It protects the steel reinforcement by means of the anticorrosion system MuCis

## Properties

- Wet density : 1,66 kg/lit.
- Crack bridging properties : 1 mm
- Workability time at 25°C 45 minutes
- Elasticity modulus : < 25 N/mm<sup>2</sup>
- Elongation at break: ≈22%
- Adhesion to substrate : 1.5 N/mm<sup>2</sup>
- Waterproofing at positive pressure : 330 Kpa
- Waterproofing at negative pressure : 160 Kpa
- Waterproofing at negative pressure over a crack of 0.4mm: 55 Kpa
- Operating temperature : From -10 °C to +64°C
- Consumption : 1.60 Kg/m<sup>2</sup>/mm

## Instructions of use

**Preparation of the substrate** Verify the suitability of the substrate and structure first for hydrostatic pressure. In case of waterproofing tanks or reservoirs, do a pre-load test first.

The substrate has to be free from friable parts or dust, deposits, fats, oils and water stagnation points. If needed sandblast the support before application of the product.

In case of substrate with high porosity and clear

superficial faults we suggest a previous finish with a sealer coat of Elastplast in mortar consistency.

Remove distance holders and repair the surface with MAXRAPID PLUG.

In case of very porous, old substrates a sealant coat of ELASTPLAST ROL 10 MuCis can be done.

Avoid applications on hot substrates or under windy rain conditions.

If the support is wet avoid any standing water on the surface.

## Mixing

Add 4.125 kg of water to liquid component B (8.25 Kg) and mix it for a minute. Add component A (powder) to this mixture and mix continuously for around 3 minutes till a smooth lump free even consistency mixture is obtained. A slow speed drill fitted with a paddle or a suitable mechanical mixture can be used.

## Application

Apply ELASTPLAST ROL 10 MuCis by roller, brush or trowel in two layers of about 1mm (1.5- 2 kg/m<sup>2</sup>) thickness for a uniform adhesion and covering. In case of fast drying of products it means that the substrate is too dry and needs to be humidified before further applications.

The application time between both the layer is 6 hours.

Area subjected heavy loads minimum 2 mm thickness coating is recommended with protective screed.

The film forming process between the 2 components should be complete in not more than 7 days.

## Precautions

In order to obtain the best performances, the product needs to release water in the ambient (evaporation) or in the materials of contact (for substrate suction, tiles, etc.) : only in this way the filmation / polymerization process can be completed. Therefore avoid the application on humid substrates particularly in humid and/or cold weather conditions. Avoid applications at temperature lower than +5°C and with relative humidity >80 %.

Hot/dry climates :

In case of hot weather conditions (particularly if dry and/or if packaging are warmed up by direct sun) the evaporation of mixing water and the water absorption in the reactions of hydration and accelerate so that they make the application difficult or sometimes impossible for slurries not enough flowing. In these conditions it is recommended to add from 0.5 up to 1 liter of water ( or more, sometimes) for each can of 8.25 Kg.in order to compensate the evaporated and consumed water.

# ELASPLAST ROL 10 MuCis

## Health and safety Instructions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. MSDS Safety data sheet is available with our technical department and can be sent on specific request.

## Storage

The product can be kept for at least 12 months if stored in dry and protected conditions, in the original packaging, between +5°C and + 35°C. Do not use the content of opened bags if the powder is lumpy. Keep the liquid component away from frost.

## Packing

Bags of 25 kgs + pails of 8.25 Kg

## Coverage

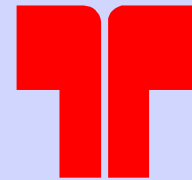
A coverage of 1m<sup>2</sup> @ 1 mm thickness can be achieved by (1.5- 2 kg/m<sup>2</sup>) of material

## Other segments :

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings •Industrial Flooring •Waterproofing • Sealants • Adhesives
- Cement Grinding Aids

**Disclaimer:** The information contained in this document is true and accurate to the best of our knowledge and is based on our experience & test results. It is always the Company's endeavor to give true and accurate information however as it does not have any direct and/or continuing control on the use of the Products, the Company cannot accept any liability, direct or indirect as a consequence of the use of Products. In the event of any doubt upon any critical parameter it is advisable to seek clarification from our technical representative.

We reserve the right to amend any product details without notice. Copyright© Thermax Limited Edition: (TCC/TDS/1113)



**THERMAX**

Thermax Limited  
Chemical Division  
97-E, General Block, MIDC, Bhosari,  
Pune 411 026, India.  
Tel: +91-20-27120169, 27120181  
Fax: +91-20-27120206  
Customer Care: 18002090115 (India toll free)  
Email : [chemicals@thermaxindia.com](mailto:chemicals@thermaxindia.com)

Ahmedabad

Tel: +91-79-26575408 • Fax: +91-79-65577270

Bengaluru

Tel: +91-80-22371721 • Fax: +91-80-22371726

Chennai

Tel: +91-44-24303400 • Fax: +91-44-24353841

Delhi

Tel: +91-11- 46087200 • Fax: +91-11- 26145311

Hyderabad

Tel: +91-40-23253700 • Fax: +91-40-23253799

Kolkata

Tel: +91-33-66070800 • Fax: +91-33-66070999

Mumbai

Tel: +91-22-67542222 • Fax: +91-22-22040859

Thermax World-wide

UK, USA, UAE, Germany, Belgium, Denmark, Russia, Saudi Arabia, Thailand, Malaysia, Bangladesh, Sri Lanka, China, Philippines, Peru, Chile, Kenya, Nigeria, Brazil, Indonesia

Website: [www.thermaxindia.com](http://www.thermaxindia.com)

Thermax Business Portfolio

Chemicals

Absorption Cooling

Air Pollution Control

Boilers & Heaters

Power

Water & Waste Solutions

Solar