



# Waterproofing ISOCRYL WALL ELASTIC

Technical Data Sheet

Reviewed: 12.07.2024



## DESCRIPTION

**ISOCRYL WALL ELASTIC** is a high-quality elastic, waterbased, waterproofing paint based on pure acrylic resins, with excellent properties against all weather conditions. It is suitable for waterproofing old and new walls and facades. It forms an elastic membrane that protects the surface from humidity as well as high temperatures. It contributes to energy savings as during the summer months it reduces the temperature of the applied surfaces up to 3°C lower than the ambient temperature. It is recommended for buildings exposed to extreme weather conditions of sunshine, rain and frost as it maintains its characteristics from -20°C to +80°C. Excellent small gap and hairline crack bridging up to 1mm wide while it remains permanently elastic. It is ideal for a coastal environment.

## ADVANTAGES

- 4 in 1: Waterproofing, Painting, Crack bridging, Breathable
- 10 – year proven durability, tested for over 25 years on the most adverse conditions
- Weatherproofing exterior walls and surfaces
- Elastic, seamless membrane without joints
- Superior adhesion on most building surfaces
- Excellent coverage
- Excellent water/humidity resistance
- Vapour permeability, permitting structure breathing
- Protects surfaces from carbonization and chalking
- Excellent resistance to ageing and UV rays
- Most suitable for buildings close to the seaside
- May be tinted with most common tinting systems
- Waterbased – user and environmentally friendly – inflammable – easy clean

## APPLICATIONS

- Waterproofing old and new walls and facades
- Waterproofing and protection from UV rays of bitumen and polyurethane hard foam surfaces
- Ideal product as final paint for external thermal insulation composite systems (**ETICS**) due to its high breathability and elasticity.

- Suitable for concrete surfaces, plaster, wood, stone, brickwork, gypsum boards, cement boards, bituminous materials polyurethane etc.

## INSTRUCTIONS FOR USE

### Substrate preparation

1. Surfaces must be dry and clean from grease, dust and loose materials.
2. Cracks and joints must be filled all with elastomeric acrylic filler **FLEX**, acrylic sealant **MEGACRYL**, or polyurethane sealant **BONDFLEX 390 FC**.
3. Imperfections on plaster must be repaired with **ISOMIX REPAIR PLASTER RP 300**.
4. Prime surfaces with solvent based primer **ISOCRYL PRIMER DUR**, or waterbased primer **ISOCRYL PRIMER DUR AQUA** for strengthening loose parts and protection from carbonization and chalking. Allow drying for 1 – 2 hours depending on ambient temperature.

### Application

1. Apply one coat of **ISOCRYL WALL ELASTIC** diluted 5 - 10% with clean water, using a brush, roller or airless spray gun. Allow drying for 6 – 8 hours.
2. Apply a second coat of **ISOCRYL WALL ELASTIC** diluted 5 - 10% with clean water.
3. For extra protection, for surfaces with hairline cracks > 0,5mm or where required, a third layer may be applied diluted 5% with clean water.
4. For best results, the temperature during application and curing should be between 10°C -35°C. Application must be avoided when rain or frost is expected for the next 2 days.

### CLEANING

Clean all tools and equipment with water and soap right after applications. Cured material can be removed only by mechanical means.

### COVERAGE

10 - 12 m<sup>2</sup>/Lt per coat when applies on properly prepared surfaces. On textured surfaces the coverage will greatly decrease.

# Evochem®

EVOCHEM S.A.

Tzavredella place 13341, Fyli, Attica, Greece

Tel.: 210 5590460, 210 5590155 Fax: 210 5590244

E-mail: info@evochem.gr Website: www.evochem.gr





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### TECHNICAL CHARACTERISTICS

**Base:** 100% acrylic resin dispersion

**Pigment:** Titanium Dioxide

**Form:** Visous liquid

**Color:** White

**Smell:** Characteristic of acrylic emulsion

**Elasticity:** >180%

**PH:** 8,5-9

**Specific gravity:** 1,48 ± 0,05 kg/Lt 25°C

**Viscosity:** 18000-23000 mpas 25°C

**VOC (Volatile organic Compounds) CONTENT:** (Directive 2004/42/CE) EU maximum VOC content limit values for this product (category A/c(WB):" Exterior walls of mineral substrate"): 40 gr/lit (2010). This product contains maximum 20 gr/lit VOCs (ready for use product).

### STORAGE

Store in dry and cool storage conditions at temperatures 5°-30°C. Protect from moisture, frost and direct sunlight.

### SHELF LIFE

At least 36 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

### LIFE EXPECTANCY

**ISOCRYL WALL ELASTIC** offers at least 10 years of guaranteed waterproofing when applied on sound surfaces according to directions (substrate preparation, priming, application) in at least 3-layer application. Advise recent technical data sheet for more information. It is a necessary condition that the substrate is in good condition and manufactured according to the latest building standards. There are examples that have exceeded 25 years of life with first maintenance (refreshing) at 15 years purely for aesthetic reasons.

### PACKAGING

**White** 3Lt, 10Lt

**BASE D** 3Lt, 10Lt

PACKAGING	CODE	BARCODE
<b>White</b>		
3Lt	5213	5204094052135
10Lt	05059	5204094050520
<b>BASE D</b>		
3Lt	5275	5204094052753
10Lt	5276	5204094052760

### HEALTH AND SAFETY INFORMATION

Consult recent Safety Data Sheet before application.

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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