

# Technical Datasheet

## ELASTIFLEX PLUS



Prod.Code: 62767 Façade/Elastomeric Coating

### DESCRIPTION

Elastomeric Pure Acrylic Waterproof coating based on photo-crosslinkable resins in aqueous dispersion. Elastiflex is an elastic breathable coating, resistant to the formation and growth of microorganisms. Product forms a continuous elastic and waterproofing film which creates an effective barrier against concrete carbonation, minimizing risk of corrosion in any type of reinforced structure. Contains anti-mould preservatives. Permanent elasticity from -30°C to +60°C.

### USE: INTERIOR - EXTERIOR

For use on external walls, ceilings and soffits on the following materials:

- Concrete blockwork (Light & dense)
- Portland cement-based concrete repair mortars
- Fibre-reinforced cement sheets for insulation boards
- Renderings (Sand/cement and sand/lime/cement)
- Brickwork

Ideal for use as a protective and anti-carbonation coating for in-situ or precast reinforced concrete structures. On vertical surfaces min. 1% gradient.

### PROPERTIES

- Range of factory made colors as per JUNO Color cards
- Maximum coverage and stability guarantee
- High traction resistance
- Wide elasticity range (-30° C to +60° C)
- 100% acrylic with excellent impermeabiliation and mechanical properties
- Prevents the formation of micro-fissures and cracks from movement in the surface
- Extraordinary resistance to cracks, more than 2 mm
- Transpirable
- Effective barrier against the carbonation of concrete, reducing the risks of corrosion of concrete reinforcement.
- Contains additives preventing the formation of microorganisms
- Eliminates moisture problems in hard to reach places

### CERTIFICATIONS

- Crack resistance: Class A4. UNE- EN 1062-7
- Water vapour permeability:  $S_d = 0,74$  m. UNE-EN ISO 7783-2
- Liquid water permeability:  $w = 0,041$  Kg/(m<sup>2</sup>.h<sup>0,5</sup>). UNE-EN 1062-3
- CO<sub>2</sub> permeability:  $S_d = 77$  m. UNE-EN 1062-6
- Solar reflection: 81,3%. ASTM E903-12
- Traction resistance:  $\sigma = 1,56$  N/mm<sup>2</sup>. UNE-EN 1542
- Emissive power: 0.83 ASTM C1371-15
- SRI index: 100.3. ASTM E1980-11
- Certified by Technology Centre UK (Taywood) and Tecnalia Laboratories Spain

**Finish:** Semi-matt

**Color:** Façade Color card and Junomatic Colors

**Viscosity:** Min.290 P S/FR1007

**Density:** P-BASE: 1,34 ± 0,05 g/cc S/FR1001

**Drying:** Touch dry in 2 hours

**Min. repaint time:** 24 hours

**Max.repaint time:** Unlimited

**Diluent:** Water

**Performance:** 0.56 m<sup>2</sup>/L for cracks of 2,8mm

**Tinting:** JUNO Universal Colorant (max 3%)

**Flash Point:** Not flammable

**VOC Content:** Max. 30 g/l

62670 WHITE/ P-BASE



Format: 4L /15 L



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### SURFACE PREPARATION

**FAÇADES.** On seamless or surfaces or substrates with cracks less than 0.6 mm; Clean, remove efflorescence, mold and let dry completely. When presence of 0.6 mm-1 mm cracks, in addition, clean and repair with mortar or acrylic putty. In both cases, apply a coat of **Primerlite (Prod. Code 21.702)** on new or repaired areas. Finish by applying 2 or more coats of Elastiflex to achieve the required performance according to crack size and certification requirements.

**CONCRETE/FIBRECEMENT ROOFS.** For cracks up to 0.6 mm and with evacuation slope gradient above 1%. Clean, remove efflorescence, mold and let dry completely. Clean and repair with mortar or acrylic putty. Apply a coat of **Primerlite (Prod.Code 21.702)**. Finish with 2 or more coats of Elastiflex until 1 mm of dry film thickness is reached, or at coverage consumption equal to 2 l trs./ m2.

To obtain a system of greater mechanical resistance, apply the first coat of Elastiflex and while still wet, lay a mesh of synthetic fabric (as per UNE 53-410-87). Apply successive coats of Elastiflex until the mesh is covered. With this multi-layer system, the consistency and impermeability is increased and offers a strengthened protection barrier.

**PULVERULENT PAINTED SURFACES.** Prime with **Akri 80 (Prod. Code 42.115)** or **Hidrocri 80 (Prod.Code 81.006)** (Mixed with 4 parts of water (4:1)).

### PATHOLOGIES.

**Mold contamination.** Wash stains vigorously and disinfect with **Junoclean (Prod.Code 760.180)**.

Rinse with water and let dry completely. Topcoat using paints with anti-mold preservatives or add **Misky-Misky (Prod.Code 79597)**.

**Salt efflorescence (saltpeter).** Brush energetically, wash and neutralize with a solution of hydrochloric acid or zinc sulfate (10%). Rinse with water and let dry completely.

### APPLICATION TIPS

Stir the paint properly until total homogenization before use.

Apply on surfaces that are consistent, clean, completely dry, free of efflorescence (saltpeter) and molds.

Dilute the product if necessary, depending on the porosity and state of the substrate.

Small cracks are covered when paint is undiluted. This is done by preferably by applying with brush, checking that the cracks are well covered and sealed.

**ENVIRONMENTAL CONDITIONS.** Do not apply on substrates with temperatures below 5°C, nor excessively hot surfaces.

The temperature of the substrate must be at least 3°C above the dew point. The relative humidity should not exceed 80%.

Do not apply with risk of rain or strong wind. By wetting the paint without drying it completely, it can cause a dissolution of the components causing stains in the paint (snail effect).

**APPLICAITON METHOD.** Brush, roller or spray equipment

**CLEANING.** Clean tools and any stains immediately using soapy water.

### OBSERVATIONS

Avoid permanent accumulations of water on the product surface.

Hence the importance of minimum 1% gradient for water to evacuate from surface. Use only with JUNOMATIC tinting system.

### SAFETY AND ENVIRONMENT

Minimize product waste by estimating the correct amount needed, taking into account the exact m2's, porosity and texture of the support.

Store excess paint in a ventilated and dry place.

The container must be clean and of adequate size for the amount of product left over.

Close containers carefully and keep upright to avoid spills.

Keep away from frost, high temperatures and direct exposure to the sun.

Keep leftover paint for later use to reduce environmental impact.

Do not eat, drink or smoke during the preparation and application of the product.

Surface preparation and application operations must be carried out with the corresponding safety measures.

For more information, consult the Safety Data Sheet.

In case of contact with eyes wash with clean and abundant water. Keep out of the reach of children.

Do not discharge into drains or the environment. Dispose of at an authorized waste collection point. Consult your local city council about the correct recycling of both the container leftover paint according to local legislation and principles of environmental respect.

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