

**12-090 C-CRYL W90 ELASTIC**  
**Elastic waterproofing coating**

Revision: July 2016

<b>DESCRIPTION</b>	C-Cryl W90 Elastic is an elastic waterproofing coating to resolve all exterior leaking problems. Its main properties are: <ul style="list-style-type: none"> <li>- High film thickness application per coat.</li> <li>- Waterproofs the substrate.</li> <li>- Good elongation and recovery properties.</li> <li>- Good weather resistance and UV radiation.</li> <li>- Good flexibility at low temperatures.</li> <li>- Good elasticity over small dynamic cracks in the substrate.</li> <li>- Film resistant to fungi and algae.</li> <li>- Resistance to light traffic.</li> </ul>
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<b>MAIN APPLICATIONS</b>	A photo-crosslinkable acrylic coating for the protection of roofs and terraces. Sealing and waterproofing of roofs and terraces, ridge tiles, verges, cement gutters, chimney bases, etc.
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<b>PROPERTIES</b>	<b>Finish</b>	Matt
	<b>Colour</b>	White and grey
	<b>Components</b>	1
	<b>Volume solids</b>	51 ± 1% (according to the formula)
	<b>Specific gravity</b>	1.33 ± 0,02 g/ml
	<b>Application method</b>	Exterior wall roller and brush
	<b>Theoretical coverage</b>	0,75 – 2,25 m <sup>2</sup> /kg Consider losses due to application, surface irregularities, etc.
	<b>Drying times</b>	At 20°C and 60% relative humidity: Dry: 3 hours Overcoating: 24 hours  Simultaneous occurrence of low temperature and high relative humidity prolongs the normal drying times. Ultraviolet radiation is essential for hardening the film.

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**SURFACE PREPARATION**

The surface must be dry and very clean, free from grease and other contaminants.

*New surfaces* – Remove dust, grease and other contaminants by high pressure jet-washing. If necessary, remove moss, algae e fungi with Descontaminante Antibiose Plus (ref. 17-665). Efflorescence and laitance must be removed with slightly acidic water, followed by washing with clean water. When the surface has porosity or alkalinity problems, we recommend the application of one coat of Primário Cinolite (ref. 54-850).

*Previously painted surfaces* – Clean carefully with high pressure jet washing or brushing to remove old, non-adhering paint. On visible surfaces proceed as for new surfaces.

**APPLICATION****Weathering application conditions:**

Ambient temperature	Above 5°C
Relative humidity	Below 80%
Minimum surface temperature	3°C above dew point

Do not apply the paint to very hot surfaces exposed to the sun, in rain or in high winds.

**Application equipment:**

- Product preparation:  
Stir until completely homogenised.

- Application:

**System over sound surfaces:**

Apply the first coat of IC-Cryl W90 Elastic diluted 50% with water. Allow to dry. If mechanical resistance is to be reinforced apply a second coat of C-Cryl W90 Elastic on all the area diluted at 50% with water and place immediately a layer of Glascote 60 over the cracks, with the finer surface face up, to impregnate the cloth. Allow to dry. Apply two to three coats of IC-Cryl W90 Elastic without dilution.

**System over micro-cracks:**

Apply the first coat of C-Cryl W90 Elastic diluted 50% with water. Allow to dry. Apply the second coat of IC-Cryl W90 Elastic on all the area diluted 50% with water and place immediately a layer of Glacote 60 over the cracks, with the finer surface face up, to impregnate the cloth. Allow the dry. Apply two to three coats of undiluted C-Cryl W90 Elastic.

**System over localised cracks of more than 1 mm:**

Treat the damaged areas applying C-Cryl W90 Elastic diluted 50% with water allowing the areas of localised cracks to be well wetted and immediately place a layer of Glascote 60 over the cracks with the finer surface face up, impregnating the cloth. Allow the dry. If mechanical resistance is to be reinforced apply a second coat of C-Cryl W90 Elastic on all the area diluted 50% with water and place immediately a layer of Glascote 60 over the cracks, with the finer surface face up, to impregnate the cloth. Allow to dry. Apply two to three coats of undiluted C-Cryl W90 Elastic.

**System over localised cracks of more than 2 mm:**

Repair the damaged areas with conventional cement.  
Proceed as for sound surfaces.

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**ADDITIONAL INFORMATION****Drying mechanism** – Water evaporation and photo crosslinkable**Volatile Organic Compounds (VOC)**

EU limit for this product (cat. A/i): 140 g/l

Contains at maximum 3 g/l \* VOC

Supply form: 3 g/l

\*The VOC value shown above refers to a ready for use product, as tinted, thinned, etc in accordance with our recommendations. We are not responsible for products obtained by mixing products with are different from those we have recommended and we must draw attention to the responsibility of anyone involved within the supply chain not to infringe Directive 2004/42/CE.

**Flashpoint (Closed cup)**

Product &gt;61°C

Thinner Non flammable

Cleaning thinner Non flammable

**Supply form**

Product 25 kg

**Shelf life**

2 years when stored inside, in original containers, between 5 and 40°C.

**OBSERVATIONS**

- 1.- Terraces must have a slope of more than 1%.
- 2.- Since the coating is applied thickly, it only becomes resistant to rain after 24 hours.
- 3.- Must always be applied in whole sections. If the work has to be interrupted, it should be done in corners, edges or areas where lapping and overlayering can be avoided.
- 4.- Acquires resistance to light foot traffic once the film is completely hardened which, in normal temperature and humidity conditions, takes about 2 weeks.
- 5.- In case of application of ceramic or cementitious coating or over C-Cryl W90 Elastic care must taken with surface condition. In this case the mechanical resistance should be reinforced by applying Glascote 60. After application of the system allow to dry during two weeks before coating. Levelling of the surface must be made before application if the ceramic and cementitious coatings present irregularities or prominent ridges. It is not recommended that the screed for gluing of the tiles is applied directly to C-Cryl W90 Elastic. A plastic wrap should be spread over all the area of application or alternatively cover it with properly washed sand.

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**HEALTH, SAFETY AND THE ENVIRONMENT**

In general, avoid contact with the eyes and skin; gloves, goggles and appropriate clothing should be worn. Keep out of the reach of children. Use only in well ventilated areas. Do not empty into drains. Keep the container properly sealed and stored in the correct place. Take correct measures when transporting the product so as to avoid any accidents that could rupture the can or cause damage to the packaging. Ensure that the container is correctly stacked in a safe area. Do not store or use the product in extreme temperature conditions.

**Always take account of the appropriate legislation relating to the environment and Health and Safety at Work. For more information it is essential to read the label on the container and the product MATERIAL SAFETY DATA SHEET of this product, its components and all complementary products referred on Technical Data Sheet.**

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