

**Crono is a polymer-modified, fibre-reinforced, fast setting mortar for concrete floor repair. The product is designed to allow quick and reliable repair of concrete pavements. It has excellent adhesion with low shrinkage: these properties speed up the support preparation and reduce the application times of the entire job, allowing the reopening of traffic in a very short time.**

## Properties

Crono is a versatile cementitious mortar for quick concrete repair.

- Blend of CSA cement and Natural Cement.
- Single-component.
- For interior and exterior applications, even in wet areas.
- Installation thickness 0 – 10 cm.
- Excellent bond, without the need for a primer.
- Durable under extreme conditions (frost/thaw resistant).
- Low shrinkage.
- High strength.
- Traffic allowed after 3 hours.

## Uses

- Restoration of concrete roads
- Airport runway restoration
- Parkings
- Warehouses
- Ramps and driveways

## Application

### Surface preparation:

The surface must be structurally sound and hardened, free from loose debris, dust, greases and previous sealers. Before applying the product, repair cracks and fissures and treat the substrate with Evercrete Pavishield® or Evercrete Vetrofluid®.

Before processing, wet the surface thoroughly, avoiding formation of puddles.

### Mixing:

Use a clean 20-liter bucket to mix Crono. Add 3.5 to 4 liters of clean water and slowly add the powder mixing with a slow rotating mixer. Mix for at least 3 minutes. **Crono** can be applied by spatula or trowel.

Depending on the type of restoration, the consistency of the mixture can be adjusted by changing the quantity of water in the mixture without exceeding the maximum quantity of 4 liters per 25 kg bucket.

To obtain a self-leveling mixture, add one sachet of the additive **Livella** each 25 kg bucket.

Once mixed, Crono must be applied within 20 minutes under normal conditions of temperature and humidity. To extend the

workability time, add one sachet of **Lento** additive per 25 kg bucket. To accelerate the setting of the product, for example in low temperature conditions, you can use a sachet of the **Rapido** additive

Do not add water and do not mix during the hardening.

Do not apply to frozen substrates or with risk of freezing during the next 24 hours.

The curing time can vary with the temperature.


## Technical features

Colour	Grey
Mixing water	3,5 - 4 L
Flexural strength	3h > 3,5 MPa 28 gg > 10 MPa
Compressive strenght	3h > 20 MPa 24 h > 30 MPa 28 gg > 50 MPa
Coverage rate	1,9 kg/m <sup>2</sup> (per mm of thickness)
Thickness range	0 - 10 cm
Pot life	20 min at 20 °C
Grain size	1 mm
Ready for heavy traffic	After 3 hours
Shelf life	At least 9 months, if stored in original sealed containers at temperature between 10°C and 25°C

## Warning

Ecobeton products must be applied only when the surface temperature is higher than 5 ° C, that of the environment not lower than 10 ° C, in any case not higher than 40 ° C. Do not expose the material to freezing. Read the Material Safety Data Sheet available on internet [www.ecobeton.com](http://www.ecobeton.com).

## Performance

 1381	Ecobeton Italy Srl Via Galileo Galilei 47, 36030 Costabissara (VI) 20 DOP n° 200915DOP-1504-3
<b>EN 1504-3</b> <b>Crono</b> Products and systems for the protection and repair of concrete structures using PCC repair mortars	
EN 12190 EN 13412 EN 1015-17 EN 1542 EN 13687-1 EN 1770 EN 13057	Compressive strength: Class R4 Elastic Module: $\geq 20$ GPa Chloride ion content: $\leq 0,05$ % Adhesive Bond: $\geq 2$ MPa Thermal Compatibility (freeze-thaw): $\geq 2$ MPa Thermal Expansion: $6,9 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ Capillary Absorption: $w \leq 0,5 \text{ kg/m}^2 \times \text{h}^{0,5}$ Reaction to fire: A1 Dangerous substances: None

The above technical data has been obtained with a dosage of 3,5 litre of water per bucket.  
Declaration of Performance (DoP) available on the website [www.ecobeton.com](http://www.ecobeton.com).

### Note:

The information contained in the sheet is accurate to the best of our current knowledge. The products are of the highest quality and uniform within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied is made as to the effect of such use and no liability is assumed directly or indirectly from their us. Buyers and users are encouraged to carry out their own test prior to application.

For more details visit website:

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Ecobeton Italy s.r.l. is a company certified with ISO 14001 environmental management system.

# ecobETON

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