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## FAST MORTAR XTREMERAPID XR



### Product description

Fast mortar XtremeRapid XR is an exceptionally fast cement-based compound. The product's setting time is approx. 10 minutes, and the working time approx. 4–5 minutes. Suitable for installing fence posts without additional supports, and can be used for repairing concrete structures and for rapid castings. The rapid mortar can also be used in winter due to its fast strength development. By adjusting the amount of water, the product can be mixed into a paste-like or a pourable consistency. For indoor and outdoor use.

- Extremely fast setting
- Hand-applicable
- Workability adjustable with water amount

### Applications

- Installation of fence posts without additional supports
- Repairs of concrete structures
- Rapid castings where the structure must be put into use immediately
- Repairs and sealing of concrete wells

### Instructions

### Substrate

- The substrate may be a concrete surface, a formwork, or, in fence post installations, a ground pit.

### Concrete substrates

- The substrate must be clean, solid, and free from dust.
- Loose layers, cement laitance, and other contaminants must be removed mechanically to ensure proper adhesion between the product and the substrate.
- Smooth concrete surfaces must be roughened.
- The substrate must be sufficiently strong, stable, and load-bearing.
- The temperature of the concrete surface to be repaired must be above +5°C.
- In winter conditions, it must be noted that the product cannot be applied onto frozen concrete, as frozen concrete lacks the water absorption required for proper adhesion. When cast into a formwork or ground pit, this is not an issue.

### Priming

- No bonding primers are used with this product.
- Priming is performed by moistening the substrate with water approx. one hour before application. The surface must be matt-damp; no free water may remain on the substrate.



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## Instructions for use

- Mix one 25 kg bag of dry powder with 3.0–3.3 litres of cold water.
- With a low amount of water, the mix becomes moldable; with a normal amount of water, it becomes pourable.
- Use warm water when working below +10°C, and hot water in freezing conditions.
- Do not overdose water, as this weakens the product's strength properties.
- Mix thoroughly into a homogeneous mass using a drill mixer. Mixing time 1.5–2 minutes.
- Apply the product to the working surface with a suitable tool.
- Working time approx. 4–5 minutes after water addition.
- Clean tools immediately after work with water.
- Hardened product can only be removed mechanically.

## Covering

- The product may be left uncovered or uncoated.
- The product's strength properties and other technical characteristics make it suitable as a substrate for most materials.

## Curing

- The product does not require curing.

## Waste handling

Storage and handling of waste

See the separate storage and disposal instructions <https://www.fescon.fi/en/material-bank>

## Technical information

<b>Material usage</b>	Approx. 2 kg/m <sup>2</sup> /1 mm
<b>Water requirement</b>	3.0 - 3.3 l / 25 kg
<b>Finished compound</b>	11-11.5 litres of mortar from a 25 kg sack
<b>Type</b>	Powder
<b>Binder</b>	Special cement
<b>Colour</b>	Grey
<b>Maximum grain size</b>	1.2 mm
<b>Package size</b>	25 kg
<b>Storage</b>	1 year in the original packaging in a dry place
<b>Fibre</b>	Not fibre-reinforced
<b>Additives</b>	Additives that improve workability
<b>Usage temperature</b>	See instructions for use
<b>Workability time</b>	Approx. 4-5 minutes
<b>Walkable</b>	Approx. 10 minutes
<b>Compressive strength</b>	C 30
<b>Flexural bond strength</b>	F5 (EN 13813)
<b>Reaction to fire</b>	A1
<b>Frost resistance</b>	Frost-resistant, for indoor and outdoor use
<b>Waterproofness</b>	Water-resistant

Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.