



# 65

χρόνια

σεβασμό στον μάστορα

δομικά υλικά

construction materials



Technical Specifications

Date of issue: 24/05/2017

Version Number: 5th

## Atlacret max20

Fiber reinforced thixotropic high strength cement mortar for the repair of concrete at thicknesses of 2-20 mm.



### Description

Fiber reinforced high strength repairing cement mortar. With high strength, strong adhesion to the substrate, excellent workability, increased resistance to water penetration and stable volume. It can be applied to horizontal and vertical surfaces at a coat thickness of 2-20 mm without the need of a mold. Suitable for interior and exterior use. Refer to the respective Datasheet.

### Application fields

Suitable for high requirement repairs of concrete components on horizontal or vertical surfaces, such as: the repair of weathered surfaces of concrete, of cracks and fissures on floors, walls and terraces, the repair of concrete at façades of balconies and at support and beam corners, the filling of nests and the repair of defects of structural components, for the creation of joints-gullies in concrete components, the repair of the cover of the steel reinforcement of concrete which is exposed due to its oxidation, the formation of rigid joints.

### Preparation of the surface

The surfaces need to be stable, clean and free of foreign materials and dust. It is recommended to wet slightly the surface before the

application. There is no requirement of a previous «priming» of the surface.

### Preparation of the Mixture – Dilution

Add 5 kilograms (1 sack) of Atlacret max 20 in 1-1,25 liters of pure water under stirring. Continue stirring with a power drill (mixer) at low speed (revs) until a homogeneous mixture, with no lumps, is formed. The ready paste can be used within 30-60 minutes at 23°C.

### Application

It is applied with a spatula or a trowel at a maximum thickness of 2 cm per coat. If an additional coat is needed, it can be applied after 2-3 hours and after the previous coat has «dried».

### Consumption

Approximately 15 Kg/m<sup>2</sup> for a 1 cm-thick coat.

### Storage

It can be stored for at least 12 months after its production date, as long as it is kept in closed sacks and is stored in a dry place.





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<b>Form:</b>	Cementitious Powder
<b>Color:</b>	Grey
<b>Bulk Density Of Dry Mortar:</b>	1,4 ± 0,1 Kg/Lt (20°C)
<b>Liquid Density Of Fresh Mortar:</b>	2,0 ± 0,1 Kg/Lt (ISO 2811.01, 20°C)
<b>Maximum Grain Size:</b>	1,3 mm
<b>Water Demand:</b>	5-6,25 L/25 Kg. Bag
<b>Temperature Range</b>	From +5°C to +35°C
<b>For Application:</b>	
<b>Temperature Resistance:</b>	From -20°C to +80°C
<b>Compressive Strength</b>	2 days > 20,0 N/mm <sup>2</sup>
<b>(EN 12190):</b>	7 days > 35,0 N/mm <sup>2</sup> 28 days > 50,0 N/mm <sup>2</sup>
<b>Flexural Strength:</b>	8,0 N/mm <sup>2</sup>
<b>Modulus Of Elasticity In</b>	≥ 20 GPa
<b>Compression (EN 13412):</b>	
<b>Carbon Dioxide Permeability</b>	Yes
<b>Resistance:</b>	
<b>Adhesion Strength:</b>	≥ 2,0 N/mm <sup>2</sup>
<b>Adhesion Strength After 50</b>	≥ 1,8 N/mm <sup>2</sup>
<b>Freeze-Thaw Cycles (EN 13687-1):</b>	
<b>Capillary Water Absorption</b>	w ≤ 0,5 Kg/m <sup>2</sup> /h <sup>0,5</sup>
<b>(EN 13057):</b>	

## Packaging

Gray	5 kg.	25 kg.
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## Safety information

Read the label before use. For detailed instructions - precautions, consult the Product Safety Data Sheet. Poison Information Centre: (+30) 210 77 93 777.



# CE

<b>CHROMOLAC-ATLACOLL S.A., 25<sup>th</sup> Km Athens-Corinth National Road, 19600 Mandra, Attica, Greece 17</b>	
<b>EN 1504-3</b> DoP No.: ATLACOLL-ALACRET MAX 20-11905-01 NB: 1871 Concrete repair product for structural repair PCC mortar (based on polymer modified hydraulic cement)	
<b>Compressive strength:</b>	Class R4
<b>Chloride ion content:</b>	≤ 0,05%
<b>Adhesive Bond:</b>	≥ 2,0 MPa
<b>Carbonation resistance:</b>	Passes
<b>Elastic modulus:</b>	≥ 20 GPa
<b>Thermal compatibility part 1:</b>	≥ 2,0 MPa
<b>Capillary absorption:</b>	≤ 0,5 kg·m <sup>-2</sup> ·h <sup>-0,5</sup>
<b>Dangerous substances:</b>	comply with 5.4
<b>Reaction to fire:</b>	Class F



The technical information and instructions supplied in this data sheet are based on our knowledge and experience. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the application are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. Our company designs and produces products intended to satisfy your needs. Please do not hesitate to contact us, if you encounter any technical problem.