ADC0 Cemgrout 315AM

Cementicious-based non-shrink, high-strength grout for bulk grouting application in marine exposure conditions

DESCRIPTION
ADC0 Cemgrout 315AM is a pre-mixed, cementicious-based, non-shrink / expansive, high-strength grout that can be mixed to flowable consistency. The hydraulic binder content of the grout is extended with mineral pozzolanic constituents at >35% direct mass to mass substitution, thereby enhancing the durability and service life of hardened ADC0 Cemgrout 315AM in marine exposure conditions. The siliceous aggregate constituent is selectively combined to form a continuous grading envelope.

USES, ADVANTAGES
ADC0 Cemgrout 315AM offers a wide range of applications including:
- Grouting of column bases, bearing pads, under base plates and load support elements.
- Structural concrete repairs.
- Structural void filling.
ADC0 Cemgrout 315AM 2 can be mixed to required fresh-mixed consistency from dry-pack to fluid workability. Superior characteristics of the grout such as cohesiveness, flowability, non-bleeding, non-shrink, high early and final strength allow installation with durable results.

PROPERTIES
Typical compressive strength under laboratory conditions at flowable / pumpable consistency:

<table>
<thead>
<tr>
<th>Age</th>
<th>Strength</th>
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<tbody>
<tr>
<td>24 hours</td>
<td>20 – 24 MPa</td>
</tr>
<tr>
<td>3 days</td>
<td>30 – 34 MPa</td>
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<tr>
<td>28 days</td>
<td>48 – 54 MPa</td>
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<tr>
<td>56 days</td>
<td>53 – 58 MPa</td>
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Shelf life – We advise to use cementicious-based products within 6 months from manufacturing date.

Storage – Store in a dry, cool place (5 – 25°C), under cover and away from concrete or masonry surfaces.

PACKAGING, YIELD
Standard packaging of ADC0 Cemgrout 315AM is in the form of 20 kg paper bags. Depending on project requirements, the product can be supplied in different packaging such as 1 ton bulk bags. The yield of mixed grout is 1 litre per 1.9 kg.

GUIDELINES TO APPLICATION
Mix the entire contents of a bag with the required amount of water by slow-speed mechanical drill or grout mixer. Place the fresh grout without delay.

Depending on ambient conditions, mix only material that can be installed within 20 minutes. When prepared material has stiffened before installation, do not re-temper or add additional water for further use – discard the material.

When filling voids, plan the method of filling carefully to prevent the entrapment of air pockets.

Any exposed grout has to be covered or treated with curing compound such as ADC0cure 211 as soon as the grouting operation is complete.

Grouting in elevated temperatures may require the use of cooled mixing water.

Substrates onto which ADC0 Cemgrout 315AM is to bond, shall be structurally sound, clean, free of contamination or laitance. (Mechanical scabbling or scarifying can be used to achieve such surfaces.) Where the grout is installed onto concrete surfaces, this substrate shall, in addition to the former, be pre-saturated, using clean water and prepared to a surface-damp and non-waterponding condition.

QUALITY ASSURANCE
Our manufacturing and testing procedures comply with relevant standards.

SAFETY
ADC0 Cemgrout 315AM is not considered toxic or dangerous; however standard industrial precautions apply such as protective clothing, gloves and eye goggles. Cementicious-based products are alkaline and hence may cause irritation to the skin and eyes.

Remember: Keep away from children, handle responsibly and consider the environment.

TECHNICAL SUPPORT
Detailed method statements for various grouting applications are available on request.

Site training can be arranged.

UPDATE
May 2017.
This supercedes all previous documentation.