ADCO Cemgrout 310
Cementicious-based non-shrink, high-strength grout

DESCRIPTION
ADCO Cemgrout 310 is a pre-mixed, cementicious-based non-shrink / expansive high strength grout that can be mixed up to flowable consistency and contains no added chlorides and nitrates. ADCO Cemgrout 310 is supplied a dry powder that is mixed with water.

USES, ADVANTAGES
ADCO Cemgrout 310 offers a wide range of applications including:
- Grouting of column bases, bearing pads, base plates and load support elements.
- Structural concrete repairs
- Dowel fixing
Superior characteristics of the grout such as cohesiveness, flowability, non-bleeding, non-shrink, high early and final strength allow installation with durable results.

PROPERTIES
Compressive strength under laboratory conditions at workable consistency:

<table>
<thead>
<tr>
<th>Age</th>
<th>Strength</th>
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<tr>
<td>24 hours</td>
<td>24 MPa</td>
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<tr>
<td>3 days</td>
<td>45 MPa</td>
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<tr>
<td>28 days</td>
<td>68 MPa</td>
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Expansion at flowable consistency – ±0.24% at 24 hours.

Shelf life – We advise to use cementicious-based products within 6 months from date of manufacture.

Storage – Store in a dry, cool place away from concrete or masonry surfaces and under cover.

PACKAGING, YIELD
ADCO Cemgrout 310 is supplied in 20 kg paper bags. When mixed to flowable consistency, one bag of 20 kg dry powder will yield ±0.5 litre of grout. The amount of mixing water added ranges from 2.2 to 3.4 litre per 20 kg bag. Depending on the required application (dry-pack to flowable consistency) and the ambient conditions, the amount of mixing water is determined.

GUIDELINES TO APPLICATION
Mix the entire contents of the bag with the required amount of water. Mechanical mixing is preferred. 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 ADCOcure 211 as soon as the grouting operation is complete.

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

Where large volume grouting per cast is required, use ADCO Cemgrout 310A, which is a cementicious-based non-shrink / expansive high-strength grout incorporating a graded aggregate for bulking.

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

SAFETY
ADCO Cemgrout 310 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.