ADCO Cemgrout 310AM is a premixed, cementicious based speciality non-shrink / expansive high-strength grout containing metallic fibre; the grout can be mixed from dry-pack to flowable consistency and contains no added chlorides and nitrates. ADCO Cemgrout 310AM is suitable for bulk grouting operations.

USES, ADVANTAGES

Cemgrout 310AM offers a wide range of applications including:
- Grouting and concrete repairs of structural members where the added benefit of metallic fibre are required
- Grouting of members that are exposed to mechanical impact
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>
</tr>
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<tbody>
<tr>
<td>24 hours</td>
<td>&gt;20 MPa</td>
</tr>
<tr>
<td>3 days</td>
<td>&gt;35 MPa</td>
</tr>
<tr>
<td>28 days</td>
<td>&gt;50 MPa</td>
</tr>
</tbody>
</table>

Expansion at flowable consistency ± 0.21% at 24 hours.

Shelf life: We advise to use cementicious-based products within 6 months from manufacturing date.

Storage: Store in a dry, cool place away from concrete or masonry surfaces.

PACKAGING, YIELD

ADCO Cemgrout 310AM is supplied in 20 kg polypropylene bags. One bag of 20 kg dry powder will yield ±9.5 L of grout when mixed. Depending on the required application (dry-pack to flowable consistency) and the ambient conditions, the amount of mixing water is determined gauged (~2 – 3 litre).

GUIDELINES TO APPLICATION

Mix the entire contents of the bag with the required amount of water. Only mechanical mixing is recommended as the incorporated metallic fibres render harsher fresh mix consistency compared to a standard cementicious grout.

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.

QUALITY ASSURANCE

Our manufacturing and testing procedures comply with relevant standards.

SAFETY

ADCO Cemgrout 310AM 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.

The metallic fibres in the mix require careful handling – for any manual action, please use suitable gloves to protect hands.

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.