IQS GLOBAL ISO 9001 : 2015

M-ATLANTIC
A subsidiary company of VHB GROUP

MA GROUT 40

Cementitious grout, shrinkage compensated

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CEMENTITIOUS GROUT, SHRINKAGE COMPENSATED

I. DESCRIPTION:

MA Grout 40 is a ready to use, shrinkage compensated, non ferrous, high early strength, selflevelling, bearing grout. Pre-mixed and selectively graded materials result in a dense homogeneous mix.

MA Grout 40 extending working time to suit local ambient temperature.

II. USES:

MA Grout 40 is a general purpose grout suitable for the following applications:

- Grouting works for machine foundations, anchor bolts, bridge bearings, etc.
- Filling of cavities, gaps, recesses, etc.
- Concrete repairs (pre-packed grouting)

III. ADVANTAGES:

- Easy to use, only the addition of water.
- High early strength to saving time for construction.
- Very good workability. Flowable consistency.
- No bleeding, good dimensional stability.
- Non toxic, non corrosive.
- Iron and chloride free
- Impact and vibration resistant.
- Can be placed with suitable grout pump.

IV. PRODUCT INFORMATION:

Data	MA Grout 40	
Base	Cement, aggregate, admixture	
Appearance	Powder cement grey	
Density	Bulk density of powder: ~ 1.60 kg/lít Density of fresh mortar: ~ 2.20 kg/lít	
Compressive Strength	1 day: ≥ 15Mpa 3 days: ≥ 20Mpa 7 days: ≥ 30Mpa 28 days: ≥ 45Mpa	ASTM C349
Flowability	25 - 35 cm	ASTM C230
Expansion	≥ 0.0%	ASTM C940
Setting Time	Initial: ≥ 5 hours Final: ≤ 12 hours	ASTM C403
Ambient Air Temperature	10 - 40oC	
Mixing ratio with water	13-15% (by weight) ~ 3.25 – 3.75 litres per 25kg bag	
Consumption	01 25kg bag to 0.014m3 or 73 bags to 1m³ mortar	
Packaging	25 kg bag	
Shelf life	12 months (if in unopened, original packaging)	
Storage conditions	Dry, cool, shaded place	

V. APPLICATION:

Surface preparation:

- Concrete surfaces should be clean, sound and free from oil, grease, laitance and loose particles.
- Metal surfaces (iron and steel) should be free from scale, rust, oil and grease.
- Absorbent substrates must be saturated thoroughly, but no standing water.

Mixing:

- Powder should be added to the pre-gauged water to suit the desired consistency.
- Mix mechanically for at least 3 minutes with a low speed electric drill (max. 500 r.p.m.) with a disc agitator attached, until a smooth consistency is achieved.

Applying:

- Pre-wet thoroughly, no standing water in bolt holes.
- Pour mortar after mixing. If possible, grout anchor first, and the mortar bed in the second operation. Ensure continuous flow of mortar.
- Ensure that air entrapped into the grout is allowed to escape.
- When carrying out base plate grouting, ensure sufficient pressure head is maintained to keep mortar flow uninterrupted. Make sure that necessary form work is firmly in place and watertight.
- To achieve optimum expansion result, apply mortar as quickly as possible.

Curing:

- Keep visible, free mortar surface as small as possible and protect it from premature drying out by standard curing practice .
- Normal curing practice should be observed for at least 3 days wherever mortar is exposed.
- Minimum application temperature is 10 °C. At temperature lower than 20 °C setting time and strength gain will be slower.

Cleaning:

Clean all tools and equipment with water immediately after use. Hardened mortar can only be removed mechanically.

VI. ECOLOGY, HEALTH AND SAFETY:

PPE: Wear suitable protective clothing, goggles and gloves during working with this product.

Ecology: Do not dispose into drains, water or soil.

Transportation: Non-hazardous.

Waste disposal: According to local law.

Important notes:

MA Grout 40 is cement base and is therefore alkaline. Suitable precautions should be taken to minimize direct contact with the skin. If the material gets into the eyes, rinse immediately with clean water and seek medical attention.

Refer to the Product Safety Data Sheet (MSDS) and other relevant safety documentation.

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