

MasterRoc[®] AGA 370

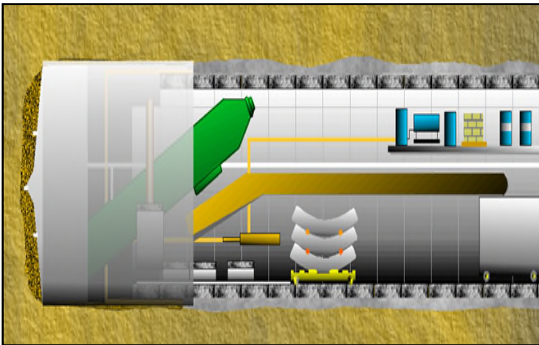
Liquid high-performance accelerator as part of two component annular grout system for TBM tunnels

DESCRIPTION

MasterRoc AGA 370 is a high-performance grout accelerator, mainly for use in the annular grouting behind the concrete lining of a Tunnel Boring Machine (TBM). It is a liquid additive whose dosage can be varied to the desired setting and hardening times.

TYPICAL APPLICATIONS

MasterRoc AGA 370 is suitable for all applications where a rapid gel and early strength values are decisive.



ADVANTAGES

- Faster setting and higher early strengths than without set accelerators
- Secures rapid work progress
- Low viscosity
- Easy to mix into the grout
- Low consumption
- Achieves higher final strengths as compared with traditional accelerators

PACKAGING

MasterRoc AGA 370 is supplied in bulk, 1000 L IBC or 210 L drums.

TYPICAL PROPERTIES*

Form:	liquid
Colour:	transparent
Density at 25°C:	1.35 – 1.39
pH value:	13.0
Viscosity at +20°C:	30 - 70 MPas
Solubility in water:	total
Thermal stability:	+5°C
Chloride content:	<0.1%
Physiological effect:	irritant to skin and eyes

APPLICATION GUIDELINES

MasterRoc AGA 370 is part of the two-component grouting system. The addition of the accelerator will be at a nozzle with non return valve just before injection into the annular gap. Mix designs for Part A and the equipment set up will be specific to the TBM and available raw materials. Consult your local Master Builders Solutions Underground representative for site specific recommendations.

CONSUMPTION

The required setting time and hence the dosage are determined by the type of ground conditions and any water flows. Dosage will be adjusted according to temperature of the material and the reaction time of the cement. According to the required setting time, the consumption of **MasterRoc AGA 370** ranges between 8-12 % by volume of grout.

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STORAGE AND SHELF LIFE

Minimum storage temperature for **MasterRoc AGA 370** is +5°C. If **MasterRoc AGA 370** has frozen, thaw at +20°C or above and completely reconstitute with a mild mechanical agitation. It is recommended that your local Master Builders Solutions representative be consulted prior to the use of any products that were frozen. Maximum storage temperature is +60°C. Performance tests should always be carried out before use.

If stored in tightly closed original containers and under the above conditions, **MasterRoc AGA 370** has a storage life of at least 12 months.

HEALTH AND SAFETY

MasterRoc AGA 370 is an irritant fluid; therefore, any contact with skin and eyes must be avoided. It is essential that Safety glasses and rubber gloves always be worn during handling. The use of a protective barrier cream is recommended. In case of contact with eyes or skin, flush immediately with plenty of water and seek medical advice. For further information refer to the material Safety data sheet.

* Properties listed are based on laboratory controlled tests.

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