



Mining & Tunneling & Civil Stabilization

IsoThix®

Description:

IsoThix is a dry mortar which require only the addition of water to form a high strength pump-able thixotropic construction grout.

Areas of application:

IsoThix is used for excellent bonded anchoring of rock bolts of all kinds, in the mining industries and tunnel construction, for stabilization of slopes, trenches, rock faces and suspended equipment.

Properties:

Minimized shrinkage, good Pumping properties, free of chloride, immediate bonding of grout and bolt, suitable for overhead work and vertical boreholes.

Cementing agent in accordance with DIN EN 197 aggregates in accordance with DIN EN 12620, permitted additives.

Packaging:

Regulations and requirements

Storage:

Store in dry conditions on pallets.

Product Data:

Yield	Water/ Solid ratio	Expansion rate
~ 0.55 l /kg	~ 0.22	~ 1.0 Vol. %

Mechanical Properties:

IsoThix	Temp.	4h	12h	24h	28 Days
Compressive Strength	20°C	---	~20MPa	~40MPa	~75MPa
Anchor-loading	30°C	50kN	>500kN	575kN	---

Application Guidelines:

Place the specified volume of potable water to the compulsory mixer. Make sure the water is not contaminated. Slowly add the dry mortar IsoThix Powder and keep mixing until uniform consistency is reached. Consider mixing for at least 3 minutes.

Fill the borehole trough a pumping lance from a suitable pump. Directly after grouting, insert the anchor bolt. Care must be taken to prevent product from setting during mixing and pumping operations. Large volumes of grout and hot environmental conditions will tend to generate high heat and accelerate set times.

Statement of responsibility:

The technical information and application advice given in this publication is based on the present state of our best knowledge. The project owners, their representative or the contractor are responsible for checking the suitability of products for their intended use. Product properties are dependent upon seasonal and geographical criteria. Product properties and performance may vary between countries and locations within. We recommend that you clarify your specific requirements with your local Isotech representative to ensure that all specific project requirements are met.



Solution Technology For Civil & Underground Services

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