



RESINCHEM

RESINCHEM GROUT

is an injectable, solvent-free, polyurea-silicate grout

RESINCHEM INJECTION

thixotropic resin for injection into soft and hard rock geologies

RESINCHEM FOAM

rapid reaction – foaming organomineral resin (volume increasing)

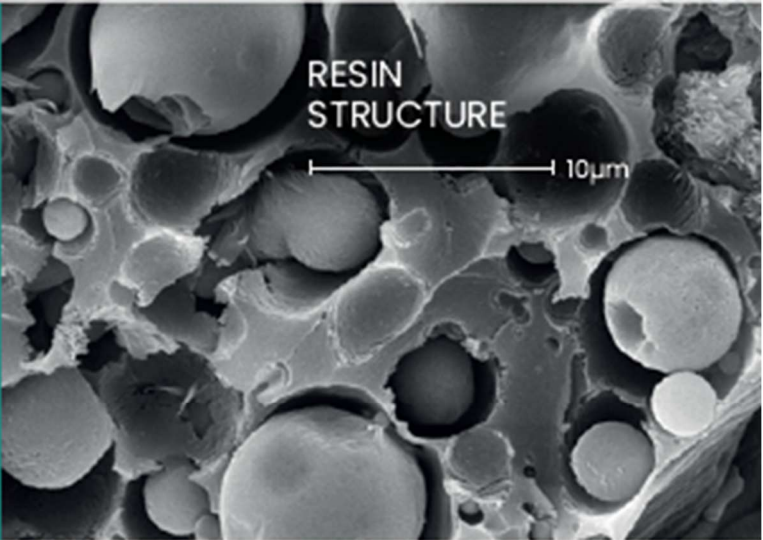
DESCRIPTION

Product **RESINCHEM** is two – component system, solvent-free, polyurea-silicate grout. Product **RESINCHEM** has been developed for securing and sealing rock bolts in mining and tunnelling applications.

It is designed to immediately **NOT FLOW** after injection and creates a thixotropic nature within the rock bolt hole to avoid reflux and allow sufficient time for installing solid rock bolts. It is especially effective in vertical bolting applications and can also be injected through Self-Drilling Anchors.

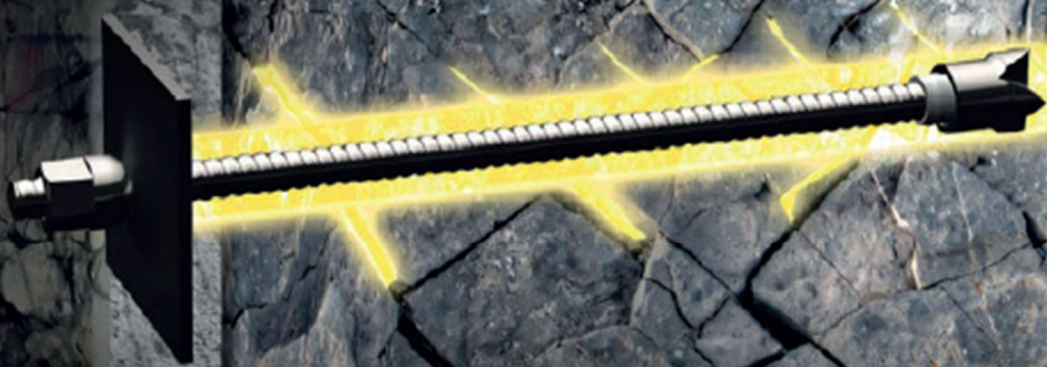
Product does not increase in volume during the reaction. Immediately after mixing the two components, a thixotropic resin is formed, which perfectly surrounds the metal material and supports its mechanical properties. At the same time, it is a hydrophobic and very durable material.

RESIN STRUCTURE



10µm

The individual products of this series differ from each other in the recommended temperature for the actual application of the product. There are different versions of product available – in order to meet the requirement for different application conditions and processes.



TYPICAL APPLICATIONS

- › Rock bolting applications
- › Cable bolt grouting
- › Sealing of large rock fissures
- › Consolidation of broken ground
- › Stabilising of coal and soft rock strata
- › Consolidation of fractured rock, sands, gravels
- › Repair of underwater construction
- › Repair of concrete cracks
- › **RESINCHEM FOAM** – rapid filling of caverns during the construction of tunnels, underground works

APPLICATION GUIDELINES

- › Both **RESINCHEM** components A and B are delivered ready to use. They are mixed in volume ratio of 1:1 by using two-component injection pump with in-line static mixer.
- › Reaction time of the resin is depending on the temperature of raw material and surrounding. Both components should be stored and delivered to protect before freezing.
- › Type and length of mixer, pump pressure will significantly affect the speed of resin reaction.
- › For filling cavities we advise our product **RESINCHEM FOAM**, which can increase volume during reaction over 30.

KEY BENEFITS

- › Easy installation and fixation of rock bolts
- › Full encapsulation of rock bolts even in broken, fractured ground, also enabling excellent corrosion protection
- › Non-foaming even in contact with water and will not absorb water
- › Thixotropic properties provides easy, secure and precise injection
- › Good adhesion to wet and damp substrates
- › Can penetrate small rock fractures and voids
- › Fast reaction even underwater
- › Fire resistant
- › Low odour
- › Environmentally friendly
- › User friendly – may be injected either manually or automatically

PACKAGING

- › IBC, 1000 L
- › other packaging as agreed before with the client



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