

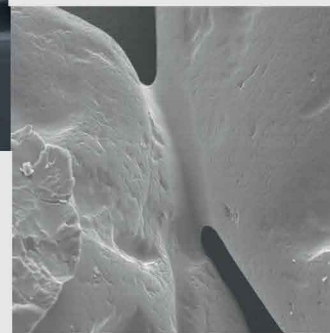
High performance binder for sand, proppants, formations, fibers



Sand consolidation

Proppant binding

Due to the amphiphilic property of Nanoglue, the binding takes place only at the contact points of the pack



The binder fixes the particles and can leave the pores

Principle

- Inorganic backbone produced by sol-gel techniques
- Organic network by radical polymerization „on command“ after application

Properties

- High uniaxial strength
- High porosity and permeability retention
- Open time can be selected according to the requirements
- Curing temperature can be adjusted according to the requirements
- Application in liquid form
- Chemical resistance tested under hydrothermal conditions with different liquids
- High temperature stability

Fields of application

Branches: Oil and gas production, water production, environmental industry, foundry industry

General options

- Applicable in oil saturated as well as in water saturated formations
- Adaptable to any specific well and formation conditions easily
- One-step process
- Saving of maintenance and recycling costs
- Increase of productivity

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