



Strata AC42™ & Strata AC52™

Sealing and Consolidation in the Presence of Water

Strata AC42 and Strata AC52 are non-toxic aqueous solutions of multi-functional acrylic monomers. These compounds gel in seconds-to-minutes when an activator/initiator is added just before use. The final product is a crosslinked gel. In wet, or dry conditions, the volume of the gel increases, or decreases, in a reversible and waterproofing manner.

FIELD OF APPLICATIONS

Strata AC42 and Strata AC52 are used for sealing and consolidation works in presence of water. They work by injection via drilled holes or ducts, of a highly fluid, hydrophilic product with a controlled set time.

Applied for:

- Treatment of water infiltration and ground water inrush
- Soil consolidation
- Treatment of voids, in the form of sand grouts, cements

DIMENSIONAL CHANGES OF THE GELS

When immersed in water, the unconfined gel can absorb up to two-times its own weight of water in a few weeks without cracking. Under humid conditions, the volume of the gel remains approximately constant. In the absence of water, the gel shrinks slowly, without cracking. These dimensional changes are reversible and do not degrade the gel.



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