



BOROX®AC-1009

Injecting agent for soil and building material stabilization

BOROX®AC-1009 is a mixture of highly reactive oligomers with very low viscosity. After mixing with a reaction starter, the product reacts to a colorless-clear very hard plastic.

BOROX®AC-1009 can be injected into the structure or applied by impregnation. The product stabilizes and consolidates binder-poor and altered substrates perfectly.

The product contains no solvent, no diluent, no water and is odorless. No by-products are formed during the setting reaction. Cured (polymerized) BOROX®AC-1009 is a nearly colorless plastic. As typical methacrylic resin, the product is absolutely light and weather resistant and yellows not after intensive UV exposure. BOROX®AC-1009 can therefore be used where the leakage of injectant from the building material surface is unstopable and color changes must be avoided.

The viscosity of BOROX®AC-1009 is very low and similar to that of water. **Due to the extremely low surface tension of BOROX®AC-1009, the permeability into fine-pored substances is significantly better than that of organic resins or silicate solutions.** The liquid product is hydrophilic and miscible with water. Therefore the product exhibits excellent wetting of moist and wet substrats. The application into very moist building materials is still possible and not critical.

BOROX®AC-1009 is not recommended as a binder for mortar or for surface treatment.

Properties



Composition	Methacrylic monomers and oligomers
Solid content	100 %
Viscosity	Approx. 1-10 cStk at 20°C
Components	2 (Solution „A“ and hardener „B“)
Mixing ratio A:B	100 : 2 to 4 parts
Density	Approx. 0,98 gr/ml
Colour	Slight bluish, clear, water-like
Odour	Very weak, pleasant, fruity
Gel time (tGel)	Approx. 35-45 min/20°C (100 ml)
Accelerator	Possible by additional activator

Security BORO[®]X-AC-1009 is a harmless substance if used as prescribed injecting agent. Nevertheless, it is recommended to wear protective clothing and safety goggles during processing and to observe the usual commercial hygiene rules. The national regulations, e.g. of the professional associations, on handling and processing of injection materials must also be observed.

In case of eye contact with the component A or the injection mixture, always rinse eyes with plenty of water for 15 minutes and then consult a specialist immediately.

BORO[®]X-AC-1009 is non-toxic and contains no substances that can damage the genetic material. The vapor pressure of the acrylic compounds used in the component A is low and the odor is weak.

**Storage
Disposal**

BORO[®]X-AC-1009 is stable for at least 12 months and must be stored in sealed, original containers dry and protected from light. Quality and reactivity are not affected by storage.

The product is flammable. This property must be observed during storage. It must not be stored with foodstuffs and must always be stored in such a way that it is not accessible to children or unauthorized persons.

Fully reacted BORO[®]X-AC-1009 is completely harmless and can be disposed as household waste. Product residues are made harmless by mixing the components. Empty containers can be cleaned by rinsing with water and then given to recycling (PE).



These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

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ARCAN Waterproof
ARCAN GmbH Spezialbaustoffe

Kleinniedesheimer Strasse 19
D-67240 Bobenheim-Roxheim
Phone: +49 (0)6239 - 99 78 20
Mail: office@arcan.biz
Web: www.arcan.biz

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