ABS-Con-1000-UW

Liquefying Liquid Agent with integrated mixture stabilizers that can accelerate setting in Cement or micro cement injection

Uses:

- ABS-Con-1000-UW acts as:
  • a plasticizer
  • a mixture stabilizer
  • a hardening accelerator
  in grouting and stabilization works with the all types of cement/s.

  It is particularly used for:
  • injecting rock formations
  • stabilizing loose rock in geotechnical work
  • anchoring work
  • micro piling
  • jet grouting
  • filling cracks and cavities in remediation work

  ABS-Con-1000-UW does not contain any chlorides and can therefore be safely used to fill drilled holes in anchor bolts and rope anchors.
  WARNING! It must not be used with additives that promote expansion or compensate for shrinkage.

Advantages:

- ABS-Con-1000-UW affects the dispersion of cements. Which forward the behavior to improved placement of the mixture and very well-pumpable consistency of injection suspensions with a low water/cement ratio.
- Integrated stabilizers prevent the separation of cement suspensions, especially under high pressures. And this all because of the acceleration of hardening, high initial strengths are achieved even at low temperatures.
- stabilizes cement suspensions - high initial strengths - higher final strengths - no water separation - lowest shrinkage level - complete cavity filling

Technical Data

Appearance: brown liquid

Shelf life: When stored in a closed original container in a dry and cool place, shelf life is at least 6 months.

Delivery method: 200 kg drums, 1000 kg containers

Dosage: approx. 1 - 3% of the cement weight

Density: 1.1 kg/l

pH value: approx. 7 ± 0.5

Mixing Instructions:

Processing Dosage of ABS-Con-1000-UW is 1 - 3% of the cement weight. Always, depending on the type of mixer and the purpose of grouting, the order of mixing, mixing time, and water factor should be adjusted according to requirements. The injected material must be kept in motion during injection.

1. Water (water/cement 0.4-1.5)
2. ABS-Con-1000-UW
3. Cement

For the smallest binder: mix using a colloid mixer for at least 5 minutes at 5000 - 7000 rpm.

Compatibility:

ABS-Con-1000-UW can be used with all types of Portland cement and cement replacement materials. it should not be used in conjunction with other admixtures unless technical department approval is obtained.

Cleaning:

Fresh cement with ABS-Con-1000-UW can be washed with fresh cold water.

Health and Safety:

ABS-Con-1000-UW is not classified as hazardous material. it should not come into contact with skin and eyes. In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

The information and technical data contained in this bulletin are based on our own most updated knowledge and experiences; however, they do not amount to a guarantee.
We always Strongly recommend doing field tests trials to check the admixture performance with used Concrete Raw materials (Cement/Sand and Coarse aggregates and other materials.
Our Technical Department is at your disposal for further studies and will give its direct assistance with the use of our products, whenever needed