

Superplasticiser for Micro-fine Cement Injection

DESCRIPTION



TamCem 15 is a non-chloride superplasticiser for micro-fine cementitious grout injection. It contains sulphonated polymers and is specially formulated to give high water reduction, enhanced dispersion and greater penetration of such injection grouts. TamCem 15 is also suitable to be used as a mid-range superplasticiser for other concrete and grouting applications.

KEY BENEFITS

- > Chloride-free
- > Improves penetration of microfine cement, such as TamCrete MFC and TamCrete UFC.
- > Improves mix workability
- > Allows for reduced w/c
- > Good cohesion, no segregation and reduced bleed water

TYPICAL APPLICATIONS

- > Micro-fine cement grout injection
- > Concrete and grouting mixes where greater strength and workability is required

TECHNICAL DATA

TamCem 15	
Form	Liquid
Colour	Dark brown
Relative density (g/cm ³)	1.22 ± 0.03
Solids Content (%)	38.0 ± 2.0
pH	8.5 ± 1.0
Chloride ion content (%)	< 0.01
All at 20°C	

All technical data stated herein is based on tests carried out under laboratory conditions.

APPLICATION GUIDELINES

Dosage can be adjusted to meet the mix design requirements or to specific job site conditions. Trial concrete or grout mixes must be carried out to determine the appropriate dosage.

An independent dispenser and feed line must be used during the application. TamCem 15 can be added to any mixed concrete or into the mixing water but addition to any dry concrete mix is not recommended.

Typical dosage is 1.0 to 2.0% of cementitious binder content.

For efficient mixing and dispersion of TamCem 15, when used with micro-fine cements (such as TamCrete MFC or TamCrete UFC) thorough mixing and dispersion using a high speed colloidal mixer is recommended. A minimum stirring rate of 1500 rpm is recommended.

Note: TamCem 15 should not be used together with any other company's admixtures. Technical advice should be obtained from your local Normet representative regarding compatibility with other Tam Admixtures prior to use.

PACKAGING

TamCem 15 is supplied in IBCs, drums and bulk. Packaging size may vary subject to local regulations and requirements, please contact your local Normet representative for more details.

STORAGE

TamCem 15 should be kept dry and out of direct sunlight, stored at room temperature above 0°C. If these conditions are maintained and the product packaging remains sealed, then a shelf life of one year can be expected.

TamCem 15 will freeze at approximately -4°C but will return to full functionality after thawing and thorough mild mechanical agitation.

HEALTH & SAFETY

TamCem 15 should only be used as directed. We always recommend that the Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety data sheet is available upon request from your local Normet representative.