

Set Retarding, Plasticising Admixture

## DESCRIPTION



TamCem 8BFG is a special plasticiser/retarder for TBM backfill grouts and some concrete applications. It is a non-chloride liquid admixture formulated to give high water reduction, greater workability and extended open time to concrete and cementitious grouts. It is compatible with all cements meeting recognised international standards. It complies with the requirements of EN 934-2 and ASTM C 494 for Type B retarding admixtures.

TamCem 8BFG extends the hydration process by retarding both initial and final set times and enhances strength through cement particle dispersion. In TBM backfill grouts the setting and hydration control can be regulated using sodium silicate accelerators such as with TamShot 10SS.

## KEY BENEFITS

- > Good cohesion, no segregation and minimal bleed water with extremely high levels of workability.
- > Controllable, long open time, enhanced placement and delivery control.
- > High elastic modulus, low shrinkage and creep are achievable with graded coarse and fine aggregates.
- > Superior surface finishes.

## TYPICAL APPLICATIONS

- > TBM backfill grout admixture
- > High performance concrete
- > Mixing logistics efficiency during large pour
- > Hot weather concrete and grouting
- > Peak temperature controlled concrete
- > Highly durable concrete
- > High strength concrete
- > Ideal for long distance transportation of ready mixed concrete

## TECHNICAL DATA

TamCem 8BFG	
Form	Liquid
Colour	Brown
Density (g/cm <sup>3</sup> )	1.22 ± 0.03
pH	7.0 ± 1.0
Chloride ion content	< 0.1%
All at 25°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 8BFG can be added to the mixed concrete or into the mixing water but addition to any dry concrete mix is not recommended.

Typical dosage is 0.4 to 1.5% of cementitious binder content. Should application conditions require a higher dosage rate, consult your local Normet representative.

Note: TamCem 8BFG should not be used with any other company's admixtures. Technical advice should be obtained from your local Normet representative regarding compatibility with other Normet Admixtures prior to use.

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## PACKAGING

TamCem 8BFG 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 8BFG should be kept out of direct sunlight, and not allowed to freeze. The product must be stored in sealed stainless steel or plastic tanks in the temperature range 5 to 30°C. If these conditions are maintained then a shelf life of one year can be expected.

## HEALTH & SAFETY

TamCem 8BFG should only be used as directed. We always recommend that the Safety data sheet (SDS) 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.