

## DESCRIPTION



TamCem 9BFG is primarily a plasticiser/set retarder for TBM backfill grouts. Secondly TamCem 9BFG contains Normet's unique dormant strength enhancing technology to give early age strength boosts to grouts when accelerated using a set accelerator, such as TamShot 10SS.

TamCem 9BFG is a non-chloride liquid admixture formulated to give high water reduction, greater workability and extended open time. It is compatible with all cements meeting recognised international standards. It complies with the requirements of EN 934-2 for water reducing/set retarding admixtures.

## KEY BENEFITS

- > Contains a unique dormant accelerator to boost early strength of accelerated back-fill grouts
- > Good cohesion, no segregation and minimal bleed water with extremely high levels of workability.
- > Controllable, long open time for enhanced placement and delivery control.
- > Up to 50 % cost saving per m<sup>3</sup> of grout. From a reduction in the cement and accelerator required as a like for like comparison in terms of strength.

## TYPICAL APPLICATIONS

- > Tunnelling and mining
- > TBM
- > Back-Fill grouts

## TECHNICAL DATA

TamCem 9BFG	
Colour	Dark Brown
Density	1.48 ± 0.03 g/cm <sup>3</sup>
Form	Liquid
Chloride Content	< 0.1 %
pH value	10.0 ± 1.0
Solids Content	70 ± 3 %
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 9BFG 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 9BFG should not be used 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 9BFG 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.

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## STORAGE

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TamCem 9BFG should be stored at room temperature (min 5°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of six months can be expected. However it is recommended that the suspension shall be mechanically agitated after long storage and before use.

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## HEALTH & SAFETY

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TamCem 9BFG 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.