

Admixture for Pumped Concrete and Grout

DESCRIPTION



TamCem 77TG is a special "consistence modifier" for concrete and grouts with no water reducing effect, air entrainment or retardation properties. It is a non-chloride liquid admixture designed to increase pumping efficiency, reduce segregation, and enhances the viscosity and stability of high slump mixes.

KEY BENEFITS

- > High pumpability provides easy placement or grouting
- > controls cohesion, segregation and bleed water whilst maintaining high levels workability
- > High elastic modulus, low shrinkage and creep are achievable with quality controlled coarse and fine aggregates
- > Superior finishes with reduced honeycombing

TYPICAL APPLICATIONS

- > High performance concrete
- > Pump mixes with low cementitious cement content
- > Backfill grout
- > Wet sprayed concrete
- > Enhances the performance of self-consolidating concrete (SCC) and concretes containing sub-quality aggregates.

TECHNICAL DATA

| TamCem 77TG | |
|----------------------|-------------------------------|
| Form | Liquid |
| Colour | Blue |
| Density | 1.01 ± 0.01 g/cm ³ |
| pH | 6.0 ± 1.0 |
| Chloride ion content | < 0.1% |
| All at 20°C | |

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

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

APPLICATION GUIDELINES

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

Typical dosage is 800 ml / 100 kg of cementitious binder. Should application conditions require a higher dosage rate such as with SCC applications, consult your local Normet representative for advice for on your specific mix design.

Dosage can be ranged from 2 - 6% by weight of cement which may be adjusted according to specific application. It is essential that independent dispenser and feed lines are used for this product.

TamCem 77TG can be added to the mixing concrete or grout, or into the mixing water, addition to any dry batched concrete mix is not recommended and should be avoided.

Note: TamCem 77TG should not be used with any other admixtures. Technical advice should be sought from your local Normet office regarding compatibility with other Tam Admixtures prior to use.

PACKAGING

TamCem 77TG 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 77TG 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 77TG will freeze at approximately -4°C but will return to full functionality after thawing and thorough mild mechanical agitation.

HEALTH & SAFETY

TamCem 77TG 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.