

Sprayed Concrete and Annulus Grout Accelerator

## DESCRIPTION



TamShot 10SS is used in sprayed concrete and annulus grouting applications which enables fast setting and/or where high early strength are required.

## KEY BENEFITS

For sprayed concrete:

- > Increased durability
- > High final strengths
- > Improved sprayability
- > Increased bonding
- > Increase strength due to reduced fibre rebound and better fibre orientation
- > Reduced rebound
- > Improved working environment
- > Quicker work progress

For annulus grouting:

- > Quick gel and setting times for segmental ring support
- > High early strength development for segmental lining stability

## TYPICAL APPLICATIONS

TamShot 10SS is suitable for all applications in wet shotcreting where large thickness layers and early and simultaneously high final strengths are crucial. TamShot 10SS is specially designed for use with wet sprayed, steel fibre reinforced shotcrete.

- > Tunnels
- > Galleries
- > Mining
- > TBM backfill grout
- > Slope stabilisation
- > Pit protection

## TECHNICAL DATA

TamShot 10SS	
Form	Viscous Liquid
Colour	Clear to cloudy
Solubility	Complete
Density (kg/dm <sup>3</sup> )	1.35 ± 0.05
pH value	11 - 12.5
Initial Set	< 10 mins
Final Set	< 60 mins
Gel time	< 30 secs
All at 20°C	

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

## APPLICATION GUIDELINES

### Mixing

TamShot 10SS is dosed through a proportioning pump or pressure tank and added at the nozzle for sprayed concrete or injection port for grouting applications.

### Application

For overhead applications the maximum thickness per layer applied is 80 – 140 mm.

### Consumption

For sprayed concrete:

The dosage of TamShot 10SS generally varies between 1 - 7% by weight of cement. The required setting time and the necessary dosage of TamShot 10SS are determined by the type of substrate. Dosage is also influenced by the temperature of the substrate and of the gunned material, as well as by the type of cement used.

For annulus grouting:

Consumption varies greatly and is largely dependent on the w/c ratio, cement content, ambient and material temperatures, desired gel times as well as several other specific job conditions.

In special cases, other dosages may be recommended according to specific job conditions. Please contact your Normet sales representative for guidance on dosage recommendation.

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## PACKAGING

TamShot 10SS 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

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## HEALTH & SAFETY

TamShot 10SS 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.