

# Comtech Grout NS10

High strength, non-shrink cementitious grout.

## Description:

**Comtech Grout NS10** high strength, no shrink free flowing cementitious grout is a blend of portland cement , graded aggregate , special fillers, polymers.

**Comtech Grout NS10** is a ready to use product in powder form, which requires only the on-site addition of water to produce a non-shrink grout of predictable performance.

## Primary uses:

- Void filling between old and new concrete.
- Concrete repair and jacketing.
- Base plate under bedding.
- In repair areas with restricted access or high concentration of reinforcement.
- Anchor bolts.
- Bridge bearings applications.
- Milling machines.

## Advantages:

- Non shrink.
- Rapid strength development and high ultimate strength.
- Self compacting without the need for vibrating.
- Proven and predictable performance.
- Excellent bond to concrete substrates without primer.
- Impermeable.

## Yield:

50 Kg bag of **Comtech Grout NS10** will yield 27 Liter when mixed with 7 Liter of water.

## Typical properties:

Appearance	Grey powder.
Mixed density	2200kg/m <sup>3</sup>
Compressive strength (ASTM C 109)	1Day > 20N/mm <sup>2</sup> 7Days > 45N/mm <sup>2</sup> 28Days > 60N/mm <sup>2</sup>
Adhesion strength	1.5Mpa @ 28days
Drying shrinkage	< 400 microstrain @28days
Water absorption	less than 2.5%

## Method of use:

### Surface preparation:

The surface of concrete to be filled or grouted should be sound, clean and uncontaminated.

The form work should be rigid and tight to prevent loss of grout and have properly closed faces.

#### Priming:

It is enough to saturate the area to be grouted with water prior to the application of **Comtech Grout NS10**.

Remove any free standing water before placing the formwork.

#### Mixing:

**Comtech Grout NS10** should be mixed by mechanical means. Slowly add **Comtech Grout NS10** to a clean gauged water (2.75-3.75) Liter of water to 25Kg bag of Comtech Grout 420.

#### Placing:

The mixed material should be placed within 30 minutes. It can be poured or pumped in to the grouted area to fill the cavity at the required level. No vibration is required.

**Comtech Grout NS10** is ideal for application in thicknesses up to 200mm For large volume casting like 200-250mm it is recommended to use Comtech MC25.

#### Curing:

Due to the presence of rapid drying polymers, the grouted area shall be cured in accordance with a good concrete curing practice like wet hessian or curing compound.

#### Standards:

Complies with CRD-C 621  
ASTM C1107-Grade B

#### Packaging and storage:

**Comtech Grout NS10** is supplied in 50Kg bags; All Comtech products should be stored in a dry shaded area, protected from breakage, deterioration and contamination.

#### Health and safety:

**Comtech Grout NS10** does not classified in the hazardous materials; however it should not be allowed to come into prolonged contact with skin and eyes.

The normal safety precautions (hand gloves & safety goggles) are recommended for handling.

The first aid if some harm happened with eyes in to wash with water.

WARRANTY STATEMENT: The information given here is based on our knowledge, and we believe it to be true and accurate.

We assume no responsibility for the use of these information, recommendations or suggestions.

Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

