

High strength and Non-Shrink Cementitious Free Flowing Grout

## DESCRIPTION

**Ducem Grout NS** is a high strength cementitious grout with non-shrink properties specially formulated for all general-purpose grouting. It is ready to use with addition of water using either hand-held mixer or mechanical mixer. It is non-corrosive, non-oxidizing and free of Chlorides and Nitrates.

## RECOMMENDED USE

**Ducem Grout NS** is used for general purpose grouting where it is essential to eliminate shrinkage

- Bonding new concrete to old substrates
- Repairs to concrete structure
- Pre-cast components
- Patching works

## ADVANTAGES

- Non-shrinking
- Free of bleeding and settlement
- High early strength, and ultimate strength
- Non-corrosive
- Chlorides free
- Prepacked to achieve consistency in performance

## TECHNICAL DATA

Appearance	Grey Powder
Water Required	2.75 to 3.25 Litres of water per 25kg bag
Compressive Strength	> 70N/mm <sup>2</sup> (ASTM C 109 : 2002)
Bond Strength	> 1.5N/mm <sup>2</sup> (BS EN 12615)
Volume Change	0 to +3 (ASTM C827)
Setting Time	Initial set ≥ 1 hour Final set ≤ 4 hours (BS EN196 Part 3)
Flow Consistency	30% to 45% (ASTM C 1437)
Wet Density	Approx. 2100kg/m <sup>3</sup>

## APPLICATION INSTRUCTION

### Preparation

#### Substrate preparation

Surface should be clean, and free from oil, grease, dust and other contaminants. Dry and porous substrates should be dampening prior application of **Ducem Grout NS** recommended to apply a bonding agent **Dubond SBR Latex** to enhance adhesion strength.

#### Mixing

The recommended amount of water should be measured and poured into mixer. Slowly add **Ducem Grout NS** and mix continuously for about 5 minutes using hand held or mechanical mixer until a uniform paste is achieved and ensure the mix is free from lumps.

## PLACING

Use a steel trowel to push and trowel against the substrate to get a smooth finish.

## CURING

Immediately after grouting has completed, exposed area should be thoroughly cured with water or curing compound.

## PACKAGING

**Ducem Grout NS** is available in 25kg bag.

## TECHNICAL SUPPORT

**Ducem Grout NS** offers a comprehensive range of high performance, high quality of repair product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-user and contractor, as well as on-site technical assistance.

### Statement of Responsibility (Disclaimer)

The technical information and application advise are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

# Ducem Grout NS

TECHNICAL DATA  
SHEET (TDS)



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## STORAGE/SHELF LIFE

**Ducem Grout NS** should be stored on pallets in dry conditions. Under these conditions, the product will have a shelf life of 12 months.

## PRECAUTION

**Ducem Grout NS** should not be in contact with skin and eyes. Avoid inhalation of dust during mixing. Wear gloves, goggles and dust mask.

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**Ducon Construction Chemicals Industries Ltd.**

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