

## PROXON GROUT NS

**PROXON GROUT NS** is a high-strength, non-shrink grout made from cement, fillers, and additives for controlled expansion and durability.



### What

**PROXON GROUT NS** is a high-performance, non-shrink cementitious grout with pour-able consistency. It contains Portland cement, graded fillers, and additives that ensure controlled expansion, high strength, and reduced water demand for precision grouting.

### Why?

- Adjustable, free flowing
- Shrinkage compensation ensured
- Excellent bond strength
- High strength results
- Chemically resistant grout
- Maximum bearing contact

### Usage

Ideal for pre-cast repairs, floor toppings, equipment foundations, bearing plates, joint grouting, cable ducts, and anchoring bolts or hooks. Suitable for heavy-duty applications requiring high strength and precision grouting performance.

### How to use?

- Clean, dust-free surface
- Pre-wet 24 hours
- No standing water
- Mix with water
- Pour without interruption
- Clean tools immediately

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## Application

### Surface preparation & Mixing:

Ensure surfaces are clean, free from dust, oil, paint, or demoulding agents. Pre-wet area 24 hours before grouting, ensuring no standing water remains. Formworks must be leak-proof, and bolt holes should be dry. Mix **PROXON GROUT NS** with 4 to 6 litres of water per 25 kg bag using a mechanical mixer for at least 5 minutes to achieve a smooth, lump-free mix. Pour continuously to avoid air pockets. Use 4–5 litres for thick mixes and 2.5–3 litres for dry pack applications. Clean tools with water immediately after use.

## Packing

25 kg bags.

## Shelf life

Can be stored in cool, dry, shaded areas. Shelf life is 12 months. Avoid direct sunlight, high humidity & extreme temperatures to prevent reduced shelf life.

## Safety Measures

Contains no hazardous substances. Use gloves, goggles, and protective clothing while handling. In case of contact, rinse with water. If swallowed, seek medical help. Refer MSDS for detailed safety instructions.

## Physical Properties

Standards conform	ASTM C 579, ASTM C 580, BSEN 12390
Appearance   Colour	Powder   Grey and white
Apparent density	1.8
Setting time	Initial: 4 hours@25°C   Final: 8 hours@25°C
Grain size	Up to 0.8mm
Adhesion on concrete	26.80 bar
Compressive strength at 25 °C (ASTM C 579)	28.0 N/mm² @ 1 day 35.0 N/mm² @ 3 day 50.0 N/mm² @ 7 day 60.0 N/mm² @ 28 day
Flexural strength at 25 °C (ASTM C 580)	6.0 N/mm² @ 3 day 8.50 N/mm² @ 7 day 9.40 N/mm² @ 28 day
Bond to concrete	6.5N/mm² after 28 days
Bond to steel	For plain bars: 7 days: 3N/mm²   28 days: 4N/mm²  For deformed bars: 7 days: 3N/mm²   28 days: 4N/mm²
Density	2220 Kg/m³

High strength, free-flow, non-shrink grout

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