



PACTOGrout HS

High Early Strength/Bearing Grout

DESCRIPTION

PACTOGrout HS is a cementitious, non-metallic, non shrink and high early strength micro concrete grout. It is supplied as a ready to use pre-bagged dry powder, which requires only the on-site addition of water.

This non shrink grout is applicable for the grout gap thickness range of 10 – 100 mm

TYPICAL USES

PACTOGrout HS is a high strength grout designed for grouting, bedding and bearing operations such as:

- Generators
- Crain rails
- Pre cast elements
- Anchor bolts
- Flanged lighting column
- Stanchion bases
- Milling machines
- Bridge bearing grout

ADVANTAGES

- High early compressive strength
- Excellent workability retention
- High bond strength to steel and concrete
- Low permeability ensures durability
- Can be poured or pumped

PACKAGING

25 kg. Bags

PROPERTIES

The physical properties shown below were obtained under laboratory conditions at 25 °C with w/p ratio of 0.112, and may vary in practice.

Compressive Strength 1 day : >40 N/mm²
(ASTM C 109) 7 days : >65 N/mm²
 28 days : >80 N/mm²

Flexural Strength 7 days : >8.0 N/mm²
(ASTM C 580)

Tensile Strength 7 days : >5.0 N/mm²
(ASTM C 307-18)

STANDARDS

ASTM C 1107, Grade B

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surface to be grouted with **PACTOGrout HS** should be clean, scabbled and all contaminants such as grease, paint, oil, laitance. Any contamination should be removed by mechanical means to produce a sound substrate. Soak area to be grouted, should be flooded with fresh water for 24 hours prior to grouting to minimize absorption and assist in the free flow of the grout. Surface should be damp but free from standing water. Particular attention should be paid to bolt holes to ensure that these are water-free.

Base plate, bolts, etc. must be clean and free from contaminations that could impair adhesion.

MIXING

A mechanically powered mixer should be used for mixing of **PACTOGrout HS**, Ensure that the mixer is damp inside but free from standing water before commencing mixing. Add pre measured quantity of clean water.

PACTOGrout HS should be slowly added to the mixer while stirring continuously for at least three to five minutes or until a uniform consistency is achieved.

Mix **PACTOGrout HS** with 2.8 – 3.75 litres of water per 25 kg bag to obtain the required consistency.

APPLICATION

PACTOGrout HS should be placed within 15 minutes of mixing. For horizontal application, it should be poured continuously and formwork should be tamped gently. For vertical application such as boreholes, the grout should be poured/injected starting from the top and should continue until the borehole is full. The entrance should then be plugged. Keep the surfaces exposed to the atmosphere restrained.

PACTOGrout HS may be placed in thicknesses up to 100 mm in single layer. For thickness above 100 mm, **PACTOGrout HS** can be mixed with hard, clean,



surface saturate dry (SSD) graded 10 mm aggregates in the ratio of 1:1 or 1:0.5 by weight depending on consistency required.

CURING

Immediately after placing **PACTOGrout HS**, cover all exposed grout with clean damp hessian and keep moist until grout is firm enough to accept a curing membrane to prevent loss of water which may result in cracking.

COVERAGE

12.5 litres / 25 kg bag at 3.5 litres water addition.

STORAGE

Store out of direct sunlight, clear of the ground on pallets, protect from rainfall. Avoid excessive compaction. Shelf life is 12 months when stored as above.

PRECAUTIONS

As with other products containing Portland cement, the cementitious material in PACTOGrout HS may cause irritation. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Call a physician. In case of contact with skin, wash skin thoroughly.



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