

TRUBUILD NON SHRINK GROUT – HS

Single Component Cementitious Grout

TECHNICAL DATA SHEET

VER NO.1.2



TRUBUILD NON SHRINK GROUT – HS is single component cementitious grout which withstand static and dynamic loads. It is self-levelling, premixed cementitious grout with higher working time.

APPLICATIONS

It is used in grouting of base plates of machines, pumps, concrete anchors, columns of pre-cast constructions, gaps etc. It is suitable for the grouting works for gap thickness from 10 mm to 100 mm

ADVANTAGES

- Ready to use cement mix and requiring the simple addition of water.
- Non Shrink
- Good flow
- Chloride free
- Non-corrosive
- High ultimate strength
- Extended working time

COVERAGE

CONSISTENCY	WET DENSITY	YIELD
Flowable	2300 kg/m ³	8.7 ltr
Pourable	1700 kg/m ³	11.8 ltr
Stiff	1340 kg/m ³	14.9 ltr

HOW TO USE

Surface Preparation

- Concrete surface should be clean, sound and free from oil, grease, laitance and loosely adhering particles.
- Metal surface should be free from scale, rust, oil and grease.
- All adsorbent surfaces must be well soaked with clean water.

Mixing

- Mix ratio for desired consistency is as follows.

Consistency	Water (Litres) per 20 kg of Grout
Flowable	3.2 – 3.8
Pourable	2.8 – 3.2
Stiff	2.4 – 2.7

- Take 75% of water as per desired consistency first and then add Trubuild Non Shrink Grout – HS gradually with continuous mixing.
- Add remaining water with continuous mixing until desired consistency will not obtained.
- After mixing stir slightly by spatula to remove entrapped air.
- To carried our pouring work same is poured immediately into the designed frame work
- For baseplate grouting un-interrupted flow is required.
- For larger section it is necessary to mix 1 part of 10 mm silt free aggregates to minimise temperature rise. Other precautions such as the use of chilled water, insulation of the framework or base plate may be required.

TECHNICAL DETAILS

PROPERTIES	UNIT	RESULTS	METHOD
Appearance	Visual	Free Flowing Powder	---
Colour	Visual	Grey	---
Flow	mm	110	IS 2250-1981
Setting Time	Hrs: Min	4:10	ASTM C 191-2021
Compressive Strength – 1 Day	N/mm ²	38.4	ASTM C 109 – 2021
Compressive Strength – 3 Days	N/mm ²	47.6	ASTM C 109 – 2021
Compressive Strength – 7 Days	N/mm ²	54.1	ASTM C 109 – 2021
Compressive Strength – 28 Days	N/mm ²	72.4	ASTM C 109 – 2021
Flexural Strength – 7 Days	N/mm ²	8.4	ASTM C 348 – 2021
Flexural Strength – 28 Days	N/mm ²	10.6	ASTM C 348 – 2021
Change in Height at Early Ages	%	1.25	ASTM C 827-2016
Height Change of Hardened Grout – 1 Day	%	0.014	ASTM C 1090-2015
Height Change of Hardened Grout – 3 Days	%	0.016	ASTM C 1090-2015
Height Change of Hardened Grout – 7 Days	%	0.018	ASTM C 1090-2015
Height Change of Hardened Grout – 28 Days	%	0.021	ASTM C 1090-2015

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STORAGE

Product should be stored in a dry place strictly away from moisture.

HANDLING PRECAUTIONS

Provide adequate ventilation. Use rubber hand gloves & safety goggles. In case of contact with skin, wash with plenty of water. Keep out of reach of children.

SHELF LIFE

12 months in unopened packaging in a strictly dry and cool storage place.

PACKING

20 kg bag

IMPORTANT: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



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