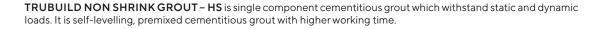
# TECHNICAL DATA SHEET

#### **VER NO. 1.2**

# TRUBUILD NON SHRINK GROUT - HS

# Single Component Cementitious Grout





# **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 <sup>3</sup>	8.7 ltr
Pourable	1700 kg/m³	11.8 ltr
Stiff	1340 kg/m³	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 fallows.

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/mm²	38.4	ASTM C 109 - 2021
Compressive Strength - 3 Days	N/mm²	47.6	ASTM C 109 - 2021
Compressive Strength - 7 Days	N/mm²	54.1	ASTM C 109 - 2021
Compressive Strength - 28 Days	N/mm²	72.4	ASTM C 109 - 2021
Flexural Strength - 7 Days	N/mm²	8.4	ASTM C 348 - 2021
Flexural Strength - 28 Days	N/mm²	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

# **TECHNICAL DATA SHEET** VFR NO 12

# TRUBUILD NON SHRINK GROUT - HS

Single Component Cementitious Grout



# **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

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