



## VITCON GROUT 2052 N

Normal Free Flow Non-Shrink High Strength Grout

### DESCRIPTION

VITCON 2052 N is normal free flow non-shrink grout specially designed for use where high strength and normal fluidity is required. It is formulated as a natural aggregate system with a shrinkage compensating binder and is flow-able without sacrificing strength or performance capabilities. VITCON GROUT 2052 N is formulated to provide consistency and exacting performance in critical grouting operations. This also can be used as a repair product in various types of application in the projects.

### TECHNICAL DATA

Colour	Grey
Form	Powder
Flow Rate	10 - 15 cms
Pot Life (Workability)	50 - 60 min.

### APPLICATION

- Heavy duty grouting of machinery and equipment
- Bridge seats
- Structural Columns
- Bending plates
- Crane rails
- Anchorages

### ADVANTAGES

- Highly fluid and extremely placeable for easy field use
- High strength for maximum load bearing
- Non-shrink with minimum positive expansion for high tolerance performance
- Non bleeding and non segregating at a fluid consistency
- Does not contain any chlorides or additives which may contribute to corrosion of base structure
- Rapid strength gain to minimize turn around time for equipment regrouts



- Total shrinkage compensation, which provided a maximum bearing surface for the greatest overall support
- Excellent working time at high ambient temperatures.

### **APPLICATION METHODOLOGY**

- Ensure that concrete surface is clean, sound, rough and is free from any standing water, oil, dirt, debris, paint, unsound concrete or other contaminants.
- Ensure that surface temperature and ambient temperature is not  $< 5^{\circ}\text{C}$  and  $> 40^{\circ}\text{C}$ .
- As a precautionary measure, remove all residue with a vacuum cleaner or pressure washing.
- Pre-soak the pit to be grouted with water to ensure a saturated surface during the grouting process.
- Mix 25 kg VITCON GROUT 2052 N with 3.75 Litre of water. Where grouting is to be done for deeper thickness (Bolt pocket grouting), add about 9 - 10 kg of pea gravel per 25 kg of VITCON GROUT 2052 N.
- Use requisite of water to achieve desired flow level of VITCON GROUT 2052 N. Do not add excess water as this may lead to bleeding and segregation. Do not add sand/cement to VITCON GROUT 2052 N as this may change its properties.
- Pour grout immediately after mixing from the one side into a watertight shuttering around the machine basement/structure. Ensure that the air dispensed by pouring grout escapes and air entrapment is avoided. The grouting should be continuous and maintain sufficient pressure head to keep grout flowing.
- When grouting base plate, pour grout into the head box and allow to flow under the plate. Straps pre-placed under the plate will aid in working the grout across. Grout should be placed at minimum of 25 mm thick and a maximum of 150 mm per lift when placed in a large mass.
- Bring all VITCON GROUT 2052 N materials as well as foundation and base plate as close to room temperature as possible. Cold temperature will significantly reduce flow characteristics and will enhance difficulty of base plate grouting. Higher temperature will increase initial flow but cut down in working time.
- Ensure proper curing of VITCON 2052 N to achieve optimal durability/performance of grout. Wet cure the grout until forms are stripped. Then cure the grout with high solid curing compounds such as VITCON 9021 AB.



## **HEALTH & SAFETY**

- Use goggles and hand gloves during application
- Clean hands with warm soap water after application
- Avoid contact with skin/eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice.
- Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

## **PACKAGING**

Available 25 kg bag

## **STORAGE**

Must be stored in original packing, in ambient temperature, dry place under shed. Protect from direct sunlight.

## **SHELF LIFE**

6 months in original sealed condition under appropriate storing conditions.