



# BUILDROCK GROUT NSIG

NON SHRINK GROUT PLASTICIZER FOR  
CEMENT ,CONCRETE AND MORTAR.

## TECHNICAL SPECIFICATIONS & DATA SHEET

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### DESCRIPTION

**BUILDROCK Grout NSIG** is a cement sand mortar with Some Additive admixture for Injection grouting (Pressure).it decreases the w/c ratio of material without any or bleeding.it also could be used watertight Structure .

### AREAS OF APPLICATION :

- Tunnel lining works
- Flat roof
- Sol anchoring
- Bed grouting
- Water tank pressure grouting
- Machine foundation work.

### ADVANTAGES :

- Free of chloride
- Good durability
- Does not attack reinforcement cables
- Decrease the w/c ratio to ensure low permeability .

### METHODS OF APPLICATIONS:

#### SURFACE PREPARATION :

Surface Should be free from oil ,dust ,dirt ,greases and free from unsound concrete etc ,surface must be prepared by mechanically grinding ,sand blaster process ,wire brush etc ,concrete must be old for a minimum 28 days .

#### USES :

Add material to the cement and water and mix the whole material by a slow speed drill machine mixer for 5-7 min until homogeneous consistency is obtained.

#### CLEAN UP :

After the application of **Buildrock grout NSIG** clean tools immediately with water ,Cured material must be removed by mechanically process

### TECHNICAL SPECIFICATION :

- |                               |   |
|-------------------------------|---|
| • <b>Physical Appearance</b>  | <b>Cementitious grey powder with No agglomerates and free from Moisture</b> |
| • <b>Compressive Strength</b> | <b>increased compare with control</b>                                       |
| • <b>Setting Time</b>         | <b>Do not affect compare with control sample</b>                            |
| • <b>Bulk Density</b>         | <b>1.125-1.35gm/cc</b>  |
| • <b>W/P Ratio</b>            | <b>10-12 ltr</b>  |
| • <b>Dosage</b>               | <b>1-1.1% by weight of cement</b>   |

### LIMITATION :

Don't mix excess material as per the recommendation dosage. Material must be proper mix

### PACKAGING :

Packed in 25 kg HDPE Bag

### SHELF LIFE :

6 month from the date of manufacturing in original packed condition

### STORAGE :

Material must be stored in a moisture free area ,do not store material in wet areas .

### HEALTH AND SAFETY :

Before Application wear Hand gloves ,Protected cloth ,Mask Should be necessary . Skin Contact : wash hands or other organs with fresh plenty of water using soap . Eye Contact: if eyes constant wash splash eyes with fresh water by the help of Eyeswasher .consult with physician if Symptoms persist

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