



BUILDROCK GROUT UHS 400

ULTRA HIGH STRENGTH EPOXY GROUT
FOR BASEMENT .

TECHNICAL SPECIFICATIONS & DATA SHEET

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DESCRIPTION

BUILDROCK Grout UHS -400 is a three Part ultra high Strength Epoxy Grout .It is basically designed for grouting of Heavy machinery installation and all types of Equipment bases .This product is shrinkage formula and gives excellent Strength and resistance to many corrosion chemicals

AREAS OF APPLICATION :

- High Corrosive Chemical Manufacturing Industries .
- Fertilizer and Petrochemical Industries
- Railway Track work .

ADVANTAGES :

- Non Shrink and free flowing ,
- Anti corrosive property
- Excellent bearing and loading Property.
- Fast Setting and Quick return to medium traffic Service
- Give High Strength .
- Excellent Bond Strength Foundation to base plate

METHODS OF APPLICATIONS:

SURFACE PREPARATION :

Fresh Concrete Surface Must be old at least 28 Days Minimum .the concrete Surface Must be clean and rough ,oil free ,dust free ,dirt free.unsound concrete Must be removed .Concrete Surface Must be Prepared Mechanically ,which will give a surface profile of exposing the coarse aggregate of the Concrete .Final Step of Cleaning Should be removal of the all residue ,aggregate particle by vacuum cleaner or pressure washing

FORM PREPARATION :

Forms must be Liquid tight to prevent Leakage and they should be strong and well braced .To facilitate Striping ,the form should be coated with two application of paste or each piece wrapped with Polyethylene

MIXING :

Take a Fresh Container and pour the Part-B Material in a Part-A material and whole material mix through drill mixer until desire consistency is obtained,after that Mix Part-C (powder Part)Slowly slowly in the whole Material and ensure that Proper dispersion should be done ,whole material mix for 3-4 min until desire consistency is not obtained .the RPM of drill machine should be less than 400 rpm or not more than 600 rpm .and whole material leave for 2-5 min for removing Air Entrapped before pouring the mater

TECHNICAL SPECIFICATION :

Physical Appearance	Vis Paste
• Color of mix	Black
• Pot life	35-50 min
• Density (A+B+C)	2.050 kg/m Cube
• Compressive Strength	
• 1 days	48 mpa
• 3 days	68.5 mpa
• 7 days	85 mpa
• 28 days	90 mpa
• Shrinkage	
• 72 hrs	0.01%
• Flexural Strength	
• 1 days	29.32
• 3 days	31.13%
• 7 days	31.93%
• 28 days	32.50%

LIMITATION :

Don't apply **Buildrock grout UHS -400** those Surface which is suffering from osmosis problem ,Heavy dampness problem or having humidity is more than 70%

Don't apply **Buildrock grout UHS 400** unsound concrete ,asphalt Floor ,cement sand screed (Unmodified),Poly vinyl carbonate tiles etc

CLEAN UP :

After Completing the Application job ,used tools wash immediately through Xylene or Solvent ,Do not leave material for Harden.

SHELF LIFE & STORAGE :

12 month from the date of Manufacturing in unopened,original packing(Spillage ,Break material is not acceptable).store at 5C-50C.

HEALTH AND SAFETY :

Avoid Contact with Eyes Nose ,hand ,Mouth
During Application of this material wear Mask ,hand Gloves ,protective cloth . If contact with Skin wash immediately with plenty of water ,Don't use Solvent for skin cleaning . If Contact with Eyes immediately Splashes Eye with fresh water by the help of Eye Washer ,if symptoms persist contact with physician .

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