



# BUILDROCK FIX TILODIAMOND

SINGLE COMPONENT POLYMER MODIFIED  
CEMENTITIOUS WHITE TILE ADHESIVE

## TECHNICAL SPECIFICATIONS & DATA SHEET

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### DESCRIPTION

**Buildrock Fix Tilogold Diamond** is a Single Component prepack Polymer Modified white Cementitious Tile adhesive .It is a Mixture of Selected Silica Sand and Fine powder and Some other Additives which give better performance during application .it only need water to be mixing and produce a good thixotropic consistency .it can be used for different type of tile (Ceramic and Mosaic Tile).

### AREAS OF APPLICATION :

- Bonding Ceramic Tile and ,Mosaic Tile for Exterior and interior Application (Such as Toilet ,Bathroom,Kitchen)
- Most Suitable Applied over Brick work,brick masonry and concrete Substrate
- Application Suitable over Asbestos Surface ,plywood ,plaster ,Cement Board etc .
- Solid Rock
- Hollow and Solid Masonry Surface

### ADVANTAGES :

- Provide good Workability -Save up to 25-30% Time .
- Good Adjustability time ,tile can be Adjust up to 25 min .
- Good Adhesion to Concrete Surface
- Extended open time up to 20 min @25C
- Pot life is more long 100 min @25C
- Initial Setting time is 330 min .
- Good Bond Strength to Surface .
- Low wastages
- Non toxic and Non flammable Material suitable for drinking water contact
- Only need water for Mixing .
- Resistant to complete immersion of water.
- Chloride free .

### METHODS OF APPLICATIONS:

#### SURFACE PREPARATION :

Ensure that Surface must be free from unsound concrete ,Oil and Grease ,forgien material ,dust and Dirt ,and free from loose paints ,concrete sealer.Surface Prepared by Wire brush,hammer or vacuum pressure machine .new concrete should be leave at least 28 days for curing after Application of Buildrock Fix tilogold

### MIXING :

Place the  $\frac{2}{3}$  clean and potable water in to container and charge the Buildtilogold slowly slowly while mixing in to container .mixing shall be done by Slow rotation mixer machine ,rest remaining  $\frac{1}{3}$  water is added and mix until homogeneous consistency (Lumps free) is achieved .

Mix approximately 5-5.5 ltr water for 20 kg of Material.keep the paste rest for 3-4 min prior application .

### PRODUCT APPLICATION:

After Mixing of material ,apply **Buildrock fix tilogold** on concrete substrate by notched trowel.to achieve minimum thickness 2-3 mm . Press firmly the tile into the substrate for certain seconds to ensure good contact with the adhesive.For better and full adhesion

### TECHNICAL SPECIFICATION :

Property	Requirements	Typical Value
<b>Tensile Strength</b>		
<b>Dry Condition</b>	<b>0.5N/mm Square (Min)</b>	<b>0.65-0.72 N/MM(sq)</b>
<b>Shear Adhesion Strength</b>		
<b>Dry Condition</b>	<b>Minm.1.00N/mm Square</b>	<b>1.2-1.3N/mm Square</b>
<b>Slip Resistance</b>		
<b>Slip Resistance</b>	<b>≤0.5mm</b>	<b>0.1-0.3mm</b>

### LIMITATION :

Don't mix excess water as per recommended ratio.  
Don't apply Builtilo gold on paint Surface and over concrete sealer surface .  
Before application, the Surface Should be in SSD condition .

### SHELF LIFE :

6 month from the date of manufacturing in original packing ,unopened (damage material is nor acceptable)

### HEALTH AND SAFETY :

Wear a mask and Hand gloves and protective cloth before application of this material .  
If contact with skin, wash hands immediately with the help of plenty of water .  
If contact with eyes splashes eyes with fresh water by the help of an eye washer ,consult with a physician if problems persist.

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