

HighBuild Plug

Ultra rapid setting mortar to plug active water leaks

Product Description

HighBuild Plug when mixed with clean water, provides a ready to use ultra-rapid setting durable plugging mortar for active water leaks in concrete and masonry. The material expands as it cures to form a watertight seal with similar characteristics to concrete.

Areas of Application

HighBuild Plug is used to stop active water or seepage under pressure through joints, cracks and holes in concrete or masonry, where a normal mortar would be washed away and resin mortars would not bond.



Advantages

- Ultra-rapid set, instant plugging of leaks Single component, easy to apply, requires only addition of water.
- Excellent bond to concrete.
- Expands as it sets, ensuring a permanent watertight seal.
- Chloride-free.
- Similar characteristics and compatible with concrete.
- Does not promote corrosion of the reinforcement.

Method of use

Face preparation

Cracks or holes should be cut to a minimum width and depth of 20 mm, cutting the sides as square as practicable. Undercut if possible. Avoid leaving a V - section. Do not feather-edge. Flush out holes, joints or cracks with water to remove all loose particles and dust. All surfaces must be dampened with clean water immediately prior to the application of HighBuild Plug.

Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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Mixing

Clean water should be added to a clean container. Add powder slowly and mix using a trowel or gloved hand until a stiff mix is obtained. Mixing ratio should be 1 part water to three parts powder.

Due to the rapid set nature of the product, mix only small amounts that can be used within the setting time. In very cold conditions, the use of warm water (room temperature) is advisable to accelerate strength development. Do not apply when frost is expected within 12 hours of application.

For hot temperature applications, the material should be stored in the shade and cooler water used.

Technical Data

Properties	
Appearance	Grey powder
Compressive strength to BS 6319, Part 2	17 MPa @ 24 hrs.

Curing

Final setting time, 2 - 4 minutes.

Once the placed HighBuild Plug mortar has stiffened sufficiently, dampen with clean water and maintain in a damp condition for a minimum of 15 minutes.

Packing

HighBuild Plug is available in 5 Kg and 10 Kg bags.

Storage

HighBuild Plug has a shelf life of 24 months from date of manufacture if stored under cover, clear of the ground. Protect the materials from all sources of moisture and frost.

Fire

HighBuild Plug is nonflammable.

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