



BISON FLEX POLYMER PUTTY

Cement based wall putty

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Description

BISON FLEX POLYMER PUTTY is white cement based premium quality putty with some special unique properties. This ready to use, powder putty can be used externally or internally on concrete/mortar substrates to provide smooth aesthetic finish & extended life of topcoat paints.

Areas of Application

Suitable for any new & old, concrete / mortar / concrete plaster in sound condition.

Characteristics & Benefits

Cured Appearance – Brilliant white smooth finish

Flexibility – Cured application can take care of minor hairline cracks & pin holes in comparison to traditional powder putties.

Method of Application

A> SURFACE PREPARATION

- i) Remove all loose & deleterious materials from the wall surface with the help of a suitable instrument followed by water splash. The substrate should be clean, free from dust /oily substances. Surface should be sufficiently wet before applying the putty.

B> MIXING

- i) Mix Bison Flex Polymer Putty with 35 – 40% clean water (by weight) to make a homogeneous paste. Continue the mixing for at least 5-7 minutes till a uniform, lump free consistency is achieved.

D> APPLICATION

- i) Apply the thoroughly mixed Bison Flex Polymer Putty on a previously moistened surface from bottom to upward direction. Use putty blade or any other suitable instrument for uniform & smooth application with proper finish. Apply the first coat on prepared surface at SSD condition.
- ii) Allow the surface to dry for 4-6 hours, depending on the ambient temperature & humidity. After then, simply swipe the dried surface with very fine emery paper or wet sponge for removing loose/lumpy residue on the surface.
- iii) Apply the second coat of putty & allow it to dry well. With the help of a wet sponge, gently remove marks on the surface, if any.
- iv) Leave the surface for at least over night for complete drying, before applying paints.
- iv) Although it is not necessary to rub the surface done with Berger Bison Flex Polymer Putty, however silicon carbide waterproof emery paper, not less than 320, is recommended before applying any topcoat paint/distemper application.

Technical Information

Properties	Results	Standards
Aspect	Milky white free flow powder	
Water/Powder	Around 0.40	
Standard Consistency	Around 24 %	BS EN – 196 Part 3
Setting Time (at around 30°C)	Initial: Around 250 minutes	
	Final: Around 290 minutes	
pH (10% aqueous dispersion)	Around 12	
Bulk/Apparent Density (Dry Powder)	0.85 – 0.95 g/cc	
Wet Density	Around 1.7 g/cc	
Residue on 240 Mesh	< 1 %	
Whiteness Index	Around 85%	IS: 8042
Compressive Strength, 28 Days	Around 8 N/mm ² at 30°C	BS EN 1015 – Part 2

Coverage

11-12 sq. ft. / Kg / mm for two coats.

The coverage, however, will depend on the nature/quality of the substrate & efficacy of the applicator.

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Precautions & Limitations

For right consistency water is slowly added to the powder with continuous mixing. As the material is having special additives and fillers, the reverse mixing will form small lumps which may be difficult to break.

Essential care needs to be taken in order to ensure complete mixing of Bison Flex Polymer Putty.

Do not mix the quantity which can't be consumed within 3 hours at 30°C.

The total thickness of the coats should not exceed 2 mm.

Packaging

40 Kg. bag

Shelf Life & Storage

Best before 6 months from date of production, if stored properly in unopened, undamaged, original packaging in dry conditions at (5 - 30)°C with protection from direct sunlight & frost.

Health & Safety Precautions

Use rubber hand gloves, dust masks & safety goggles, while using Berger Bison Flex Polymer Putty.

In case of contact with skin, wash with plenty of water. Keep away from children.