

BIKO PUTTY®

Gypsum based, high quality, polymer modified, one component, ready mixed putty for smoothing internal surfaces

Description : BIKO PUTTY® is gypsum based, super fine, high quality, ready mixed, polymer modified, one component putty in powder form. Ideal for smoothing gypsum boards and internal cement base plastered walls and ceilings prior to painting applications. It has excellent adhesion and long term crack resistance. BIKO PUTTY® provides protective base for the interior paints and helps in reducing the frequency of repainting. Putty is specially formulated to provide smooth base when applied manually by putty knife / spatula.

Fields of Applications :

Thanks to its superior bonding and no shrinkage, **Biko PUTTY®** can add value in:

- ✓ Smoothing of gypsum board.
- ✓ Bead, trim and fastener concealments.
- ✓ Wall or ceiling application.
- ✓ Can be used as a joint compound enhanced with CRETE BOND.
- ✓ Suitable on all kinds of gypsum boards.

Advantages :

- ✓ Excellent water retention characteristics.
- ✓ Can be applied at thickness from 0.2 mm up to 7 mm per layer without cracks.
- ✓ Excellent mixing and workability.
- ✓ More economic than regular putties
- ✓ Easy sanding.

Technical data :

Form:	Gypsum powder
Colors:	white
Water demand:	7.5kg/12.5 kg bag (depending on site conditions)
Application temperature:	from +5°C to +45°C (higher temp. requires pre-wetting)
Application thickness:	up to 7 mm
Pot life:	at least 2 h
Open time:	at least 20 min
Over coating:	after 3-8 h
Adhesive strength after:	
• 28 days:	≥ 0,50 N/mm ²
compressive strength after:	
• 28 days:	≥ 3,50 N/mm ²

Surface preparation :

For Gypsum boards

- Position and apply gypsum Panels (boards) in accordance with manufacturer's recommendations, building standards (codes) and/or consultant recommendations.
- The board to be smoothed must be clean, free of dust, grease, paint, loose material etc.
- Gypsum panels (boards) must be tightly fastened to framing members without breaking the surface or fracturing the core. Make sure panel joints are aligned.
- To insure satisfactory results and smooth surface, tools and equipment must be kept clean and in good repair to ensure results.
- NOTE: Good planning prior to hanging panels can eliminate unnecessary joints and/or unlevelled surfaces leading to a higher consumption rate.

For cement Plaster

- All cement plasters to be smoothen should be applied in accordance with manufacturer's recommendations, building standards (codes) and/or consultant recommendations.
- Weak uneven surfaces should be smoothen by eliminating it and repairing with **CRETÉ REND®** or regular cement mortar.

Directions for use :

Mixing:

- Mix in a clean container (preferably plastic). A hand mixing works well yet Power mixing saves considerable time and is recommended (electric drill operating at 450 to 650 rpm).
- **BIKO PUTTY®** is gradually added into clean tap water under continuous stirring, until a uniform paste is formed.
- The mixture should be left about 10 minutes to settle and should be stirred slightly again.
- Mixing in dirty buckets or failure to wash down the exposed container sides leads material to cause lumps and scratches and usually creates hard working material.

Application:

- Apply **BIKO PUTTY®** as a final smoothing coat over the base coat (Gypsum panels boards , **CRETÉ REND®** ,**CRETÉ REND LIGHT®** , regular site plaster etc.) using a hand trowel or by a mortar spraying machine for higher productivity.
- After application, smooth away any tool lap marks or other imperfections prior to hardening using a float or a sponge or by light pressing with the application trowel.
- Apply a second coat using the same procedure. Thanks to the perfect formula usually a third coat is not needed, yet over coating is totally safe.
- Remove any remaining trowel marks using a sand paper.
- **Coverage rate:**
 - $50 \pm 5 \text{ m}^2$ per 12.5kg sack per coat (smooth finish gypsum board).



Packaging :

BIKO PUTTY® is supplied in sacks of 12 kg.

Storage :

Shelf-life is at least 12 months in dry, leak proof and moisture proof sheds. The shed for the storage should have minimum number of windows and close fitting doors. The bags should be stacked on wooden planks placed about 150 to 200 mm above the floor of the shed and a space of 450 to 600 mm should be kept all-round between the exterior walls and the stacks.

To prevent possibilities of lumping under pressure, the maximum height of stack should not

Safety & precautions :

By taking a few basic precautions, gypsum based products is one of the safest building materials known. Relatively few people involved in mixing, handling, and finishing gypsum based products have experienced injury. Protecting head, hands and skin should be sufficient to work safely. For more details please refer to our material safety data sheet. →

Legal :



The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product.

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