

Description

Birla HIL Putty is a white cement based fine powder that provides ideal finishing for concrete/cement plaster wall and ceilings. It has high-performance polymers that enhance the property of topcoat paints.

Scope of Application

This product can be applied on **interior/exterior** surfaces like cement-based **plaster & concrete** walls & ceiling surface up to 1.5 mm thickness in two coats. This product doesn't require curing after application.

Required Tools

- Mechanical/motorised stirrer.
- Putty Blade/spatula & Gurmala.
- Emery/sandpaper no. 180 to 320 for surface preparation.
- Emery/sandpaper no. 500 for finishing.

Surface/Substrate Preparation

Remove all the loose adhering material i.e. dust, lubricants (de-shuttering material) & oil etc. from substrate surface before the putty application by using emery/sandpaper, putty blade or wire brush etc.

Pre-wetting of the Substrate

To get the best quality performance, pre-wetting is important before the application of the putty. This can be carried out by sprinkling/spraying water.

Mixing/Paste Preparation of “Birla HIL Putty”

For Homogeneous paste preparation: Mix 1 kg of “Birla HIL Putty” with 350-400 ml water and mix thoroughly to get a homogeneous paste. Re-mix after 10 minutes.

Birla HIL Putty Application Method

- Apply the 1st coat of Birla HIL Putty on the pre-wet cement plaster wall/ceiling/cement substrate surface.
- Allow the surface to dry, drying time depends on weather/ambient temperature.
- After drying of the first coat of putty, rub the surface gently with the putty blade/emery/sandpaper (no. 180-320) to remove the loose particles.
- Apply a 2nd coat of wall putty over dried 1st coat.
- The total thickness of both the coats should be within 1.5 mm.
- After the application of 2nd coat, leave the surface to dry preferably for 10-12 hours.
- The 2nd coat finishing should be done with care (emery/sandpaper no. 500 or 600) without any strong rubbing.
- If the undulation is 1.5 mm to 5 mm, Birla HIL Coarse Putty is to be used in two coats and final finishing to be done with Birla HIL Putty.
- Paints can be used after the 2nd coat of putty application once it gets fully dry, i.e. after 2-3days, depending on weather/ambient temperature condition.

Precautions

- Ensure that during the application, substrate must be in pre-wet/moist condition.
- Mixing of putty is very important & hence extreme care must be taken for proper & thorough mixing for homogenous paste either with hand or mechanical stirrer.
- Prepared homogenous paste should be lump-free, creamish and uniform.
- Only a required quantity of mix should be prepared which can be used within 2 hours.
- In case of eye contact, use plenty of water to flush eyes. Get medical attention immediately.
- To avoid skin contact use hand gloves.
- To avoid inhalation use a dust mask.

BIRLA HIL PUTTY – APPLICATION MANUAL

Application

Do's:

- Before the putty application, ensure the surface is free from dirt, lubricant/oil etc.
- If wall putty is being done on the re-paint surface, old paint must be removed and the surface has to be cleaned.
- Pre-wetting of the wall/surface must be done for better quality finishing/results.
- Mix prepared homogenous paste well before every use.
- Wear safety goggles during application.
- In case of contact with eyes rinse immediately with plenty of water & seek medical advice.
- It is recommended to wear a suitable mask during sanding & surface preparation to avoid dust inhalation.

Don'ts:

- Apply wall putty on dirt/uncleaned surface.
- Use dirty water for wall putty paste preparation.
- Use dirty tools and uncleaned mixing bath.
- Scrub the applied wall putty surface after 2nd coat for finishing.
- Apply wall putty >1.5mm, in case of more undulation, Birla HIL Coarse Putty can be used as recommended above.
- Keep wall putty bags on the floor directly. It may absorb moisture. Stack on pallets with a tarpaulin cover.

Storage

- Wall putty material must be kept under a shed/dry place and to be covered with tarpaulin to avoid any entrance of external environment moisture.
- Birla HIL Putty should be kept out of reach of children.

Handling

- "Hooks" should not be used while handling wall putty bags.
- At one time only one bag to be handled and should not be dropped from a height as it may cause rupture the bag seal provided on the top and lead to material leakages/wastage.
- During wall putty bag sale to 3rd party/customers, the material must be loaded on defect-free/sharp edge-free surface and tarpaulin/any waterproof cover is to be provided to avoid water absorption during transit either from water being stagnant on-road/sudden rainfall.