

Q1: What is Birla HIL Putty?

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

Q2: What types of wall putty are available in the market?

Normally there are two types of wall putty available in the market.

1. **White cement-based wall putty**

- Made up of white cement, added polymers and minerals. It is available in dry powder form in the market.
- Used for both interior and exterior applications.
- Has excellent binding properties with cement base substrates and putty.

2. **Acrylic wall putty**

- Made up with acrylic emulsion and filler. It is available in paste form in the market.
- Suitable only for interior applications.
- Inferior binding properties with cement base substrates.

Q3: What are the probable reasons for chalking after application?

Probable dominant reasons which may result in chalking:-

1. Substrate (new plaster) not water cured for a minimum of 14 days.
2. Mixing of wall putty during paste preparation not done thoroughly.
3. Pre-wetting of the substrate not done before putty application.
4. Wall putty application of 1st coat is thick (i.e. >1.5mm).
5. 2nd coat application done without curing/drying of the first coat of wall putty.
6. Wall putty applied on the POP surface.

Q4: What are the raw materials of Birla HIL Putty?

Birla HIL Putty consists of White Cement, high-quality polymers, specialty chemicals and mineral fillers etc.

Q5: What type of substrate is required for applying Birla HIL Putty?

Cement plaster & RCC surface are recommended. They are free from dust particles, wax, and lubricants/oils.

Q-06: Why are bubbles forming just after the first coat putty application?

If force is applied is on the putty blade during the first coat application, moisture tends to come out from the plaster surface and create bubbles.

Q7: How much drying time is required after the first coat application of putty?

Minimum 3-4 Hrs is required but all it depends on weather/ambient temperature condition. It may increase up 10-12 hrs in the winter & rainy season. Ensure that the second coat is applied only after the first coat is fully set.

Q8: Which emery paper should be used for removing the putty blade joint after first coat putty application?

After drying the first coat, remove any type of blade marks with the help of emery/sandpaper of no. 180 to 320.

Q9: Which emery paper should be used for removing the putty blade joint after the second coat putty application?

After drying the second coat, remove any type of blade marks with the help of a very fine (less abrasive) emery/sandpaper. No. 500 or no. 600.

Q10: How many types of Cement Putty are available in Birla HIL.

Two types of putty available in Birla HIL:

1. Birla HIL Putty
2. Birla HIL Coarse Putty

Q11: How many coats of Birla HIL Putty are required to be applied on a wall?

That depends on the quality of the substrate surface. If the undulation present in the substrate is 1.5 mm to 5 mm then apply 1-2 coats of Coarse putty for leveling the wall surface and for final finishing apply 1-2 coats (up to 1.5 mm) of Birla HIL Putty.

Q12: Why is pre-wetting required before applying Birla HIL Putty?

Pre-wetting of the substrate is a must for the best wall putty application finishing/results.

Q-13: How can I increase the thickness of Birla HIL Putty to cover undulations in the wall?

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In case of undulation of 1.5 mm to 5 mm, use Birla HIL Coarse Putty and for finishing use Birla HIL Putty.

Q14: Is there any possibility for cracks development in wall putty after application?

Normally cracks not observed If the application is done as per recommended thickness up to 1.5 mm.

Q15: Is any curing is required after the putty application?

Curing is not required, as 'Birla HIL Putty' has a special type of additive that provides self-curing properties.

Q16: What is the coverage area of Birla HIL Putty?

Although the coverage area would depend on quality/undulations of the substrate surface, the coverage area of Birla HIL Putty is 16-20 sq.ft./kg with two coats applied up to 1.5 mm thickness.

Q17: What precautions should be taken during application Birla HIL Putty?

1. First, check the substrate, it should be cement-based.
2. Ensure that the surface is totally clean from dust particles, lubricant/oil and wax.
3. The substrate should be freshly pre-wetted.
4. Over-wetting (accumulation of water on the surface) should be avoided.

Q18: What is the correct mixing procedure of wall putty?

First, take putty in a pot and add required water, mix thoroughly to form homogenous paste and re-mix after 10 minutes.

Q19: How long can the Birla HIL Putty mix paste be used/stored?

Putty paste should be used within 2 hours.

Q-20: Which mixing procedure is good? Manual or mechanical?

Mechanical mixing is always better than manual mixing.

Q-21: When can the paint be applied after the 2nd coat of putty application?

Paint can be applied after the 2nd coat of putty application once it gets fully dry, i.e. within 2-3 days, depending on the weather/ambient temperature conditions.

Q-22: How much water is required for making putty paste for Birla HIL Putty?

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Normally 35-40% water can be used for paste preparation, it may depend upon the weather/ambient temperature conditions.

Q-23: What is the pot life of Birla HIL Putty?

The pot life of Birla HIL Putty is 2 Hrs.

Q-24: What is the reason for peeling/flaking from the base surface?

Predominant reasons for peeling/flaking from the base surface:-

1. When moisture seeps through the insides of a wall and reaches the paint **surface**, it can **cause** peeling/flaking.
2. If the applied thickness of putty is >1.5 mm or putty is not applied in two coats as recommended.
3. Poor surface preparation during putty application of re-paint wall/surface.

Q25: Can a primer be used before/after wall putty application?

Normally primer is not required on before/after wall putty application.

Q-26: What is better? Wall putty over POP application or POP application over wall putty?

It is not recommended to do wall putty application over POP.

Q-27: Can putty be used once pot life is over/hard?

No.

Q28: Does wall putty application arrest leakage problems?

No, wall putty does not arrest the leakage problem, leakage issue may be arrested by applying leakage proof/waterproofing compounds.

Q29: Can wall putty material be used after the shelf life is over?

It is recommended to use Wall putty within defined shelf life. "Best use before 6 months from the date of manufacturing".

Q30: Can colour/shed difference be observed after the application of wall putty?

No, Birla HIL wall putty has a superior degree of whiteness which enhances the true colour of the paint. Colour/shed difference may be observed due to improper surface preparation before putty application.