



Gaps on ceiling

Reasons for Gap in the ceiling.

- 1. Poor compaction during concreting.
- Honeycombing occurred due to improper vibration and the absence of admixture during construction.
- 3. Shrinkage or settlement cracks.
- 4. Workmanship issues during slab casting.
- 5. Corrosion of reinforcement leading to spalling.

Step by Step Procedure of Repair.

1. Surface Preparation

- Remove all loose and unsound concrete around the gap.
- Expose reinforcement, apply REDWOP 3IN1 by brush.
- Clean rust using wire brush/mechanical tools.
- Wash area thoroughly and keep surface in SSD (saturated surface dry) condition.



2. Reinforcement Treatment

 Apply approved anti-corrosive coating of BARGUARD to re-bars.

3. Bonding Coat

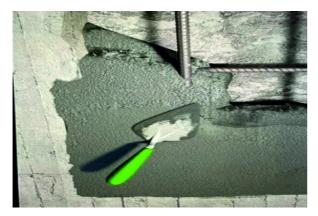
- Apply epoxy bonding coat of EPBOND EP or polymermodified slurry of BUTABOND SBR to concrete substrate.
- Mix BUTABOND SBR and OPC 53 grade Cement in ratio of 1:2 and apply it using brush & Spray pump, leave it for minimum 6 hours for its proper setting.
- If higher strength is required use epoxy bonding agent EPBOND EP.
- Mix Base and Hardner of EPBOND EP in 3:1 ratio by paddle and apply it by brush.



4. Mixing and application of Micro Concrete

- Take 25 kg of MICROCON 100 PT.
- Mix it properly with 4.0 litres of potable water.

- Apply the prepared mixture in a uniform layer of 10 mm thickness.
- Ensure application is done on the entire surface, including angles and corners.
- Allow the surface to remain for 24 hours for selfcuring and drying.



5. Application of wall putty

- Wet surface with water 1 hour prior to application.
- Add 3 part of WHITPLAST SF to 1 part of water in suitable container and blend it properly
- With electric blender to get lump free paste.
- Apply paste on the damp surface using a painter's putty knife and level paste in thin layers, until any irregularities or protrusions have been completely covered.
- This may require 2-3 coats. Allow each coat to dry for 20-30 minutes before the application of further coats.



6. Application of final coat

• Apply first coat of Nerpu by brush/roller/spray. After 4 to 5 hours apply second coat of Nerpu.



