



INSTALLATION GUIDANCE – RENOSCREED HI-BOND – 2 COAT DPM

Engineered to Perform. Trusted to Deliver

Renoscreed Hi-Bond is a high-performance, two-part epoxy system designed for use as a two-coat surface damp proof membrane (DPM) prior to the application of bonded screeds or levelling compounds. When installed correctly, it provides an effective moisture barrier over concrete and other suitable substrates, and creates a robust base for subsequent floor layers.

SUITABLE SUBSTRATES FOR DPM APPLICATION

Hi-Bond can be applied over:

- Concrete (power floated, new or old)
- Sand/cement screeds
- Previously prepared epoxy surfaces
- Non-porous mineral-based substrates

All substrates must be:

- Sound, clean, and dry
- Free from dust, oil, grease, paint, laitance or any weak surface layers
- Mechanically prepared using grinding or shot-blasting to expose a clean surface profile
- Surface temperature should be between +10°C and +25°C

INSTALLATION PROCESS – TWO-COAT DPM APPLICATION

1. SURFACE PREPARATION

- Mechanically abrade the surface to remove all contaminants and create a mechanical key
- Thoroughly vacuum the surface – do not leave any loose dust or debris
- Ensure the substrate is not visibly damp or saturated

2. MIXING THE EPOXY

- Pour the hardener into the resin container and mix thoroughly using a slow-speed drill and paddle for 2–3 minutes

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- Mix only full units – never part mix
- Ensure uniform colour and consistency without streaks

3. FIRST COAT APPLICATION

- Apply the first coat using a roller or brush
- Spread evenly at the correct coverage rate (refer to TDS for specific consumption requirements)
- Avoid puddling – a uniform thin film is required
- Allow the first coat to cure (typically 8–10 hours) until dry and firm underfoot

4. SECOND COAT APPLICATION

- Apply the second coat in the same manner, ensuring even coverage
- While still wet:
 - For bonded sand/cement screeds: apply wet-on-wet directly into the fresh resin
 - For levelling compounds: fully blind the wet surface with Renoscreed Quartz Scatter to create a bonded surface profile
- Allow the surface to cure fully
- Once cured, vacuum away any loose scatter before applying levelling screeds

FINAL TIPS & LIMITATIONS

- Always apply semi dry screeds while the second coat is still tacky (wet-on-wet) for bonded applications
- For levelling screeds, do not omit the quartz scatter – it is essential for adhesion
- Maintain coverage rates as stated in the Renoscreed Hi-Bond Technical Data Sheet
- Do not apply in cold, damp, or humid environments
- Clean tools with appropriate solvent before resin sets

CONTACT

Have questions about external applications or product compatibility?

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