



## INSTALLATION GUIDANCE – RENOSCREED HI-BOND – 1 X BONDING COAT

*Engineered to Perform. Trusted to Deliver*

Renoscreed Hi-Bond is a two-part epoxy primer and bonding agent, specially designed to create a strong bond between a prepared substrate and a sand/cement screed. It is ideal for bonded screed systems where maximum adhesion and durability are required, particularly over dense or non-porous substrates such as concrete or epoxy DPMs.

### SUITABLE SUBSTRATES FOR BONDING SCREEDS

Renoscreed Hi-Bond can be applied to the following correctly prepared surfaces:

- Concrete (new or existing)
- Power-floated concrete
- Epoxy DPM systems (abraded)
- Existing sand/cement screeds
- Ceramic tiles or natural stone (if fully abraded)

#### **All substrates must be:**

- Structurally sound, stable, and free from movement
- Clean and dry, free from grease, oil, dirt, or contaminants
- Mechanically prepared via grinding, shot-blasting, or scabbling to expose a clean, textured surface
- Free of laitance, dust, curing agents or surface sealers
- At surface temperatures of +10°C to +25°C

### INSTALLATION PROCESS – USING HI-BOND AS A BONDING AGENT

#### 1. SURFACE PREPARATION

- Mechanically prepare the surface using a diamond grinder, shot-blaster or similar tool
- Ensure all dust is removed with a high-power vacuum
- Substrate must be visibly dry and clean before application
- Perimeter isolation should be installed using 8mm x 100mm foam

Renoscreed

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## 2. MIXING THE EPOXY

- Renoscreed Hi-Bond is supplied in two components: resin and hardener
- Pour the hardener into the resin and mix thoroughly for 2–3 minutes using a slow-speed drill and paddle
- Mix until uniform in colour with no streaks
- Do not mix part quantities

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## 3. APPLICATION OF THE BONDING COAT

- Immediately after mixing, apply the epoxy using a roller or brush
- Ensure full and even coverage of the substrate
- The bonding coat must be applied thinly, without puddling
- While the resin is still tacky (wet-on-wet), apply the sand/cement screed directly over the bonding layer

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## 4. OPTIONAL QUARTZ SCATTER (FOR LEVELLING COMPOUNDS)

- If applying levelling compound later, fully blind the tacky resin with Renoscreed Quartz Scatter
- Allow to dry completely
- Vacuum off any excess aggregate before screeding

## FINAL TIPS & LIMITATIONS

- Always work wet-on-wet when bonding sand/cement screeds
- Do not allow the bonding coat to dry before screed application
- Do not apply over weak, contaminated, or unprepared surfaces
- Protect mixed resin from cold, damp, and frost during curing
- Clean tools with solvent-based cleaner immediately after use

## CONTACT

Have questions about external applications or product compatibility?

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