

Resitech Damp *Bond* Technical Data

DESCRIPTION

Resitech Damp Bond is a silane modified epoxy surface damp proof membrane. It is supplied as a 2 component solvent free system. The product has excellent adhesion to concrete, including damp concrete, and may be used wet-on-wet to bond polyurethane modified cementitious screeds to concrete substrates.

APPLICATION PROCEDURES

Surface Preparation

Resitech Damp Bond is suitable for application to concrete and cementitious screeds (including polymer modified). Concrete substrates must be clean, sound and free of laitance, oil, grease and any other surface contamination that could impair adhesion.

Existing floor areas will require mechanical abrasion to reveal clean concrete. Enclosed vacuum blasting equipment or vonarx type scabblers should be used.

Any areas that have been contaminated with oil or grease should be treated with hot compressed air blasting equipment.

Any areas of damaged concrete should be broken out and reinstated. For small areas of thin section repairs less than 10mm in depth and epoxy resin repair mortar should be used. For larger area thicker section repairs a polymer modified reinforced cementitious repair mortar should be used.

Any cracks in the substrate in excess of 1mm wide should be chased out to a minimum width and depth of 5mm and repaired with an epoxy resin mortar. Finer cracks do not normally require pre-treatment they can be flooded with Resitech Damp Bond.

All residues of old coverings must be fully removed. For newly laid concrete substrates a light pass with enclosed vacuum blasting equipment is required.

Expansion/contraction joints should be treated individually with joint sealant as required and the damp bond should be discontinued at the location of these joints.

New concrete slabs should be a minimum of 25 days old prior to application.

Scabbling equipment should be avoided as this can result in a rough profile that could compromise the integrity of the damp bond.

It is, however, accepted that difficult, inaccessible areas will need to be treated individually using a needle gun or similar.

Prior to application the entire surface should be vacuumed of all dust and loose materials.

Mixing and Application

Resitech Damp Bond is supplied in pre-weighed packages.

It is essential that all of the curing agent component A is added to all of the resin component B and mixed thoroughly for 60 seconds using a mechanical paint stirrer.

The fully blended system is immediately applied to the substrate with brush or roller.

Care should also be taken to avoid excessive mixing and the possibility of air entrapment compromising membrane integrity. Following curing the surface should be inspected for air holes.

For relative humidity above 85% and below 97% a further coat of Resitech Damp Bond will be required and applications will follow the same procedures.

COVER & CURE

Average rate of 3m²/litre (care should be taken not to exceed this coverage rate).

Curing takes approximately 6 hours at 20°C and 8 hours at 10°C.

Following a successful application the material should be allowed to cure for minimum 8 and maximum 24 hours prior to covering with flooring materials.

IMPORTANT NOTES

DO NOT mix by hand

DO NOT split mixes

DO NOT exceed the coverage rate

DO NOT delay application beyond 30 mins or use a roller tray to extend pot life.

DO NOT over-mix due to the possibility of air entrapment compromising membrane integrity.

(following curing the surface should be inspected for air holes)



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