

AptBond B3



AptBond B3, from Acoustic Polymers Ltd, is a flammable, solvent based moisture-cured polymeric priming agent for use with cast polyurethane elastomers at low processing temperatures. The chemistry and formulating detail provide excellent affinity to a wide range of metallic substrates.

APPLICATION

AptBond B3 is only suitable for use when casting absorbing or encapsulating materials from Precision Acoustics Ltd directly onto a substrate. It should not be used when attempting to bond pre-cast tiles onto a surface with an adhesive.

As with all casting processes, the principal factor determining the bond strength is the care taken during substrate preparation. Important considerations are:

1. Roughen the surface of the substrate where possible (e.g. with grit-blasting or with abrasives). This increases the surface area over which a bond can occur.
2. Remove all dust and debris from the surface of the substrate.
3. Remove all traces of grease/oil/contaminant from the surface of the substrate with solvent based de-greasing agents such as IPA or Acetone. Ensure that no streaks or residue are left behind by impurities in the solvent.
4. Ensure the substrate remains clean and dry before casting. This is particularly important for PU materials which can liberate large quantities of gas during a reaction with water or water vapour.

AptBond B3 should only be used in a well ventilated area and is best applied by brushing. One thin coat is usually sufficient. If required the primer may be diluted by up to 50% by volume using MEK or Toluene.

The primer should be left to dry for a minimum of 1 hour, but no longer than 8 hours before overcasting with polyurethane.

Full bond potential will be developed after a period of 7 days

It is strongly recommended that customers conduct their own preliminary trials to assess performance and stability of this product.

All information is based on results gained from experience and tests, and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside the control of Precision Acoustics Ltd or Acoustic Polymers Limited.