



**Chemical Technology Pty Ltd**

ABN 62 004 586 690

76-80 Lipton Drive Thomastown 3074

Telephone: (03) 9462 3730

Fax: (03) 9460 5230

Mobile: 0431 481 661

## **BONDTECH N100HV ADHESIVE**

### **TECHNICAL DATA SHEET**

#### **DESCRIPTION & USES:**

Bondtech N100 Heavy (N100HV) is a thick golden brown liquid of brushing viscosity. It forms strong, permanent contact bonds between the following materials; rigid PVC sheet, polyurethane foams of the polyester and polyether types, supported PVC leather cloth, leather, polyester glass fibre, rubber sheet and extrusions; all of which may be bonded to each other or to hardboard, chipboard, wood, painted or unpainted metal. Rigid laminated plastics such as formica, melamine etc. may also be fixed with this adhesive.

Bondtech N100HV has also proved very versatile to be a multi-purpose adhesive in the shop/bar-fitting trades and in the boat building, furniture & footwear industries. This material has excellent ageing resistance.

#### **METHOD OF APPLICATION:**

- To obtain the best possible results, the materials to be bonded should be dry, clean and free from dust, grit, loose materials, oil or grease.
- Using a brush or scraper, apply a thin and even coating of adhesive to both surfaces.
- Allow the solvent content to evaporate before bonding the materials. On permeable materials such as leather or chipboard, bonding may be possible within a matter of 2-3 minutes of application; or non-permeable materials (e.g. formica/metal) a minimum of 15 minutes should elapse before the surfaces are bonded.
- Where perfectly accurate pre-positioning of the components is possible, the solvents should be allowed to dry out for between 20 to 30 minutes before bonding. Alternatively, where a measure of "slide" is necessary to position the materials, or where the allowance is made for trimming off afterwards, the materials may be brought together some 2 to 3 minutes after application.
- THIS LATER TECHNIQUE IS NOT RECOMMENDED WITH IMPERMEABLE MATERIALS SINCE THE SOLVENT TRAPPED BETWEEN THE SURFACES WILL IMPAIR THE ULTIMATE BOND STRENGTH.



- Bond the materials under firm pressure.

**PROPERTIES:**

- Appearance: Thick golden brown liquid.
- Specific gravity: Approx 0.87
- Viscosity: Thick brushable syrup.
- Minimum open joint time : 10 - 15 minutes.
- Maximum open joint time : 30 minutes.
- Coverage: 3 - 4 m<sup>2</sup> per litre.

**Note: Additional information on physical properties, health hazards, storage, handling and transport is available in the Material Safety Data Sheet (MSDS).**