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BONDTECH N103 ADHESIVE

TECHNICAL DATA SHEET

DESCRIPTION & USES:

Bondtech NI03 is a non-drip, non-stringy; solvent based general purpose mastic adhesive. It is used for bonding plastic laminates to wood, particleboard, hardboard, rubber, leather, wood, glass, metal, china, linoleum, acoustic tiles (other than styrene), ceramic tiles, wall board etc. It gives a good bond to aluminium if wiped first with cleaner/thinner. Not recommended for bonding polystyrene foam, materials to copper or for exterior use.

METHOD OF APPLICATION:

- To obtain the best possible results, the surfaces to be bonded should be dry, clean and free from dust, grit, loose materials, oil or grease. Wipe metal with Cleaner/Thinner before applying adhesive as mill process oil is often found on metal. Mould release powders are often found on rubber and plastic castings.
- Spread adhesive with a scraper to both surfaces. Allow adhesive to become touch dry. This will take approximately 10-15 minutes depending on atmospheric conditions. This can be tested by placing the knuckles into the adhesive which should feel tacky, but not transfer to the knuckles. It bonds instantly when the two surfaces to be bonded are placed together with pressure, but when the two surfaces to be bonded are placed gently together they can be repositioned.
- For faster use over large areas, apply adhesive to one surface only. Press onto the surface to be adhered to, remove immediately, ensuring that the adhesive was transferred, wait 5 minutes, then position and press surfaces of materials to be bonded together.
- Surfaces should be joined within 15 minutes after application. If the surfaces are not joined within this time, they can be reactivated by applying another coat of adhesive.
- A minimum of 276kPa (40psi) bond pressure is recommended for best results. Pressure should be applied by using a pinch roller, working from the centre towards edges to remove all air bubbles.



PROPERTIES:

- Appearance: Golden brown liquid.
- Viscosity: Medium viscosity.
- Specific gravity: Approx. 0.87
- Dry time/Tack up: Approx. 5-10 minutes at 20°C
- Open time: Approx. 15 minutes
- Coverage: Approx. 4m² per litre

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