

PowerBond

PowerBond is a one part, neutral cure, high strength adhesive based on Hy-Spec Hybrid Technology.

PowerBond possesses very high green strength and initial tack and quickly cures to a permanently flexible and durable compound, suitable for almost all bonding applications.

Excellent adhesion is achieved to most substrates including: timber, metals, brickwork, GRP, glass, ceramics, PVCu, concrete and most plastics (except PP, PE and PTFE) even in wet conditions.

- Unbelievably high strength bond
- High green strength and initial tack
- Can replace mechanical fixings
- Solvent & Isocyanate free
- Fast cure
- Permanently Flexible / Elastic
- Can be used on damp surfaces
- Suitable for internal or external use
- Good adhesion to most surfaces
- Paintable
- UV & Weather Resistant
- Low odour & no shrinkage

Uses

Sticks to almost anything including; unprimed and primed metals, aluminium, steel, composite panels, wood, glass, plastics, concrete, mortar, plaster, epoxy and polyester coated panels, polycarbonate, PU, stainless steel, anodised aluminium, copper, zinc, lead, finished wood and polystyrene.

- Adhesive bonding applications in industrial, building and construction
- High strength adhesive in domestic and trade applications
- Bonding of items including; decorative frames, skirting boards, insulation panels, cable ducts, plasterboard, floor boards, gripper rods and stair nosing
- For factory, on-site or remedial applications

Properties

- **Application temperature range:** + 5°C to + 40°C
- **Shelf life:** 18 months
- **Skinning time:** 15-25 minutes
- **Working time:** <15 minutes



Performance

Adhesion: Excellent

Base technology: Hy-Spec Hybrid Polymer

Chemical resistance: Good

Curing system: Moisture cure

Service temperature range: -40°C to +80°C

Shore A hardness: 75

Specific gravity: 1.65 g/cm³

Elongation at break: 150%

Tensile strength: 2.0 N/mm²

Skin forming time: 10 - 15min @ 23°C / 50% RH

Paintability*: Paintable with most paints, alkyd based paints may slow curing (testing is recommended)

Slump: Non-sag

UV resistance: Excellent

Density: 1.65g/ml

Extrusion rate: 10-15g/s

Curing rate: 2-3mm / 24hours

290ml cartridges, 12 per display box

Colours: White (Other colours available on special request)

