

HY-SPEC - PowerBond

Version No. 1

Revision Date: 10/12/2017

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DESCRIPTION

PowerBond is a one part, neutral cure, high strength adhesive based on Hy-Spec Hybrid Technology. PowerBond possesses very high green strength, initial tack and quickly cures to a permanently flexible and durable compound.

KEY FEATURES

Unbelievably high Strength Bond.	High green strength & initial tack.
Solvent & Isocyanate free.	Can be used in place of mechanical fixings.
Permanently Flexible / Elastic.	Fast cure.
Suitable for internal or external use.	Can be used on damp surfaces.
Paintable*.	Good adhesion to most surfaces.
Low odour & no shrinkage.	UV & Weather Resistant.

USES

Suitable for bonding many substrates including; unprimed 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 for use in industrial, building and construction applications.	High strength adhesive in domestic and trade applications.
Bonding of decorative frames, skirting boards, insulation panels, cable ducts.	For factory, on-site or remedial applications.

LIMITATIONS

Do not use for aquaria construction.	Do not use with plastics such as; PP, PE, PTFE or other low surface energy materials. HS10 primer can be considered to improve adhesion to non-porous substrates.
Not for use with bitumen, marble or natural stone.	Not suitable for glazing applications.

PRODUCT DATA SHEET

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PERFORMANCE

Adhesion: Excellent.

Base technology: Hy-Spec Hybrid Polymer.

Chemical Resistance: Good.

Curing system: Moisture Cure.

Hardness: Shore A = 75.

Skin formation: 10 - 15min @ 23°C / 50% RH.

Elongation at break: 150%.

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

Density: 1.65g/ml.

Extrusion rate: 10-15g/s

Curing rate: 2-3mm / 24hours

Tensile strength: 2.0 N/mm².

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

Slump: Non-sag

UV resistance: Excellent

APPLICATION

PROPERTIES

Application temperature range: + 5°C to + 40°C

Shelf life: 18 months

Skinning time: 10-15 minutes

Working time: <10 minutes

INSTRUCTIONS

Joint design: Please consult the Technical Information Sheet entitled '**Joint design for cartridge based products**' prior to application.

Surface preparation: All surfaces must be clean, dry and free from frost, grease and loose materials. Apply primer if required. Most substrates only require priming if testing indicates it is needed. Apply using a skeleton gun into the joint ensuring good contact with surfaces. In situations where an especially neat finish is required, use masking tape to cover the face edges of the joint and remove immediately once tooling has been completed.

Tooling: Tool immediately after application, within the working time for the product.

Cleaning: Excess uncured material can be removed mechanically and surfaces cleaned with white spirit.

EQUIPMENT

A selection of useful tools and accessories is also available and includes hand & air operated guns for cartridge application including a 'high power' type especially suitable for filling deep voids.

PACKAGING

290ml cartridges – 12 per case

Colours: White

HEALTH AND SAFETY

Keep out of reach of children. Avoid contact with skin and eyes.

Please consult Product Safety Data Sheet before use.

GENERAL

PowerBond is part of a full range of speciality sealants and tapes designed for the domestic or trade. For further information please contact us.

The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE.