

Bondseal 5045

Product Description

Bondseal 5045 is a neutral cure, high modulus, solvent free, one part, moisture cure, Hybrid Polymer Technology Adhesive. Very high strength, initial green strength, tack/grab and adhesion.

Typical Applications

- High initial tack / grab.
- Does not contain any Phthalates or other harmful plasticisers.
- Excellent primerless adhesion to most substrates.
- High strength / fast cure.
- Cures tack free.
- Can be sanded.
- Highly resistant to substances such as mineral oils and mild solvents, acids and alkalis.
- High green strength adhesive.
- Solvent & Isocyanate free.
- Weatherable and UV stable.
- Low odour.
- Permanently flexible.
- Non corrosive.
- Excellent storage stability.
- Good tooling properties.

Uses

Suitable for 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.

- For factory, on-site or remedial applications.
- Bonding of decorative frames, skirting boards, insulation panels, cable ducts.
- All purpose sealant and adhesive, for internal and external use.
- Paintable connection joints.

Limitations

Do not use for aquaria construction.

Do not use with plastics such as; PP, PE, PTFE or other low surface energy materials.

Not for use with bitumen, marble or natural stone.

Not suitable for glazing applications.

Performance

Adhesion	Excellent
Base Technology	Hybrid Polymer
Chemical Resistance	Good
Curing System	Moisture Cure
Hardness	Shore A = 85
Skin Formation	5-20min @ 23°C / 50% RH
Elongation at Break	100%
Paintability	Paintable with most paints, alkyd based paints may slow curing (testing is recommended).
Density	1.58g/ml
Extrusion Rate	0.5-5g/10s
Curing Rate	2-3mm / 24 hours
Tensile Strength	4.0 N/mm ²
Tear Strength	15 N/mm
Service Temperature Range	-40°C to +80°C
Slump	Non-sag
UV Resistance	Good

Application Properties

Application Temperature range	+5°C to +40°C
Shelf Life	18 months
Skinning Time	10-30 mins
Working Time	10-30 mins

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.

Packaging

290ml Cartridges.

Health and Safety in Use

Non-flammable: Wash hands immediately after use.

See product Safety Data Sheet for further information.

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