

HY-SPEC – Seal&Bond

Version No.2

Revision Date: 21.02.2019

Page 1 of 2

DESCRIPTION

Seal&Bond is a one part, neutral cure, highly elastic sealant and adhesive based on Hy-Spec Hybrid Technology. Hy-Spec Seal&Bond cures to a permanently highly elastic and durable compound, suitable for almost all sealing applications.

KEY FEATURES

Highly Elastic.	Solvent & Isocyanate free.
Low odour & no shrinkage.	Non corrosive
Can be used on damp surfaces.	Paintable*.
High strength.	Low odour.
High movement capability.	Permanently flexible.
UV & Weather Resistant.	Cures tack free.
Fast curing.	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, PVCu, PU, stainless steel, anodised aluminium, copper, zinc, lead, finished wood and polystyrene.

Elastic sealing applications in industrial, building and construction.	Versatile sealant for use in domestic and trade applications.
All purpose sealant, for internal and external use.	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 on non-porous substrates.
Not for use with bitumen, marble or natural stone.	Not suitable for glazing applications.

HY-SPEC – Seal&Bond

Version No. 2

Revision Date: 21.02.2019

Page 2 of 2

PERFORMANCE

Adhesion: Excellent.

Movement Accomodation: ± 20%

Base technology: Hy-Spec Hybrid Polymer.

Chemical Resistance: Good.

Curing system: Moisture Cure

Hardness: Shore A = 40 ±5

Skin formation: 15 – 25 min @ 23°C / 50% RH.

Elongation at break: 800%

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

Density: 1.39g/ml

Extrusion rate: 4-5g/s

Modulus at 100% elongation: 1.5 N/mm²

Curing rate: 2-3mm / 24hours

Tensile strength: 2.5 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
(up to +55°C for hotter climates*).

Shelf life: 18 months when stored in cool dry conditions away from direct sun (storage conditions should always be observed).

Skinning time: 15-25 minutes

Working time: <15 minutes

Note: * Hotter and more humid climates may result in a reduction in the effective working and skinning times)

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.

EQUIPMENT

A selection of hand & air operated guns is available for cartridge application including a high power type especially suitable for filling deep voids.

PACKAGING

Available in 290ml cartridges, 12 per box.

Colour Range: White, Grey & Black.

HEALTH AND SAFETY

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

Please consult Product Safety Data Sheet before use.

GENERAL

Seal & Bond is part of a full range of speciality sealants designed for the domestic or trade user. 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.