

Product Data Sheet

FLEXISEAL

New Generation Hybrid Sealant

DESCRIPTION

Flexiseal is a neutral cure, low modulus, solvent free, one part, moisture cure, multipurpose sealant and adhesive based on Hodgson Hybrid Polymer Technology with very high strength and superior extension.

Suitable for many substrates including; unprimed metals, aluminium, steel, composite panels, wood, glass, plastics, concrete, mortar, plaster, epoxy and polyester coated panels, PVCu, polycarbonate, PU, stainless steel, anodised aluminium, copper, zinc, lead, finished wood and polystyrene.

For factory, on-site or remedial applications. Sealing of construction joints.

KEY FEATURES

- Solvent & Isocyanate free
- Gunnable at +5 to +40°C
- Does not contain any Phthalates or other harmful plasticisers
- Non corrosive
- Excellent primerless adhesion to most substrates
- Weatherable and UV stable
- High strength
- Low odour
- High movement capacity
- Permanently flexible
- Extended open time, for tooling
- Cures tack free and highly elastic
- Fast curing
- Excellent storage stability
- Highly resistant to substances such as mineral oils and mild solvents, acids and alkalis
- Good tooling properties

PERFORMANCE

Adhesion: Excellent
Base technology: Hodgson Hybrid Polymer
Chemical Resistance: Good
Curing system: Moisture Cure
Hardness: Shore A = 45 +/-5
Skin formation: 30min
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: - 40oC to +80oC
Slump: Non-sag
UV resistance: Excellent movement accomodation +/- 20%

PROPERTIES

Application temperature range:
+ 5oC to + 40oC
Shelf life: 18 months
Skimming time: 15-30 minutes
Working time: 15-30 minutes

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



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 and air operated guns are available for cartridge application, including a high power type especially suitable for filling deep voids.

PACKAGING

290ml cartridges

600ml sausages

Colours: White, Black, Grey

ESTIMATING QUANTITIES

Number of cartridges / sausages =

$$\frac{\text{Joint depth (mm) x Joint width (mm) x Length (m)}}{\text{Volume of sachet (ml)}}$$

This calculation does not allow for wastage.

HEALTH & SAFETY

- Non-flammable
- Wash hands immediately after use
- See Product Safety Data Sheet for further information

GENERAL

Flexiseal is part of a full range of speciality sealants and tapes designed for the professional user. For further information please contact our Customer Care Team or visit our website.

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.

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