

# HS50

## DESCRIPTION

HS50 is a neutral cure, high modulus, solvent free, one part, moisture cure, adhesive based on Hodgson Hybrid Polymer Technology. Formulated to provide excellent application and unparalleled wet grab with good tooling properties.

## KEY FEATURES

- Excellent initial tack / grab.
- Maintains good flexibility once cured.
- Excellent primerless adhesion to most substrates.^
- High strength / fast cure.
- Cures tack free – low dirt pick up.
- Can be sanded.
- Does not shrink during cure.
- Highly resistant to substances such as mild solvents, acids and alkalis.
- High green strength adhesive.
- Solvent & Isocyanate free - Non corrosive.
- Suitable for external use.
- Low odour.
- Improved tack free time.
- Good tooling properties.
- Improved degreasing / low smear formulation.
- Non Hazardous in typical use.
- Can be painted over

## 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 components in leisure and commercial vehicles.
- All purpose sealant and adhesive, for internal and external use.
- Paintable connection joints (Perform compatibility test prior to use)

## LIMITATIONS

- Do not use for aquaria or vivarium construction.
- ^ Do not use with plastics such as; PP, PE, PTFE or other low surface energy materials. (Testing recommended)
- Not for use with bitumen, marble or natural stone.
- Not suitable for glazing applications.

## PERFORMANCE

**Adhesion:** Excellent

**Base technology:** Hodgson Hybrid Polymer

**Chemical Resistance:** Good

**Curing system:** Moisture Cure

**Hardness:** Shore A = 65

**Working time:** <20min

**Skin formation:** 20min @ 23°C / 50% RH

**Elongation at break:** 360%

**Density:** 1.56g/ml

**Extrusion rate:** 0.5 - 5g/10s

**Curing rate:** 2-3mm / 24hours

**Breaking Strain:** 3.6 N/mm<sup>2</sup>

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

**Slump:** Non-sag

**UV resistance:** Good

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

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## APPLICATION

### PROPERTIES

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

**Shelf life:** Cartridges - 12 months. Sausages - 3 months

**Skimming time:** 10-30 minutes

**Working time:** 10-30 minutes

### INSTRUCTIONS

**Joint design:** Please consult the Technical Information Sheet entitled '**Joint design for cartridge based products**' prior to application. Industrial applications should be trialed and adhesion testing completed before implementation of material.

**Surface preparation:** All surfaces must be clean, dry and free from frost, grease and loose materials. Apply primer or surface activator 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, an aqueous soap solution may be used, within the working time for the product.

## EQUIPMENT

A selection of hand & air operated guns are available for cartridge and/or sausage application including a high power type especially suitable for filling deep voids.

## PACKAGING

**600ml foil sausages** - 12 per box

**290ml Cartridges** - 12 per box

**Colour range:** White

Other formats available on request.

## HEALTH AND SAFETY

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

## GENERAL

HS50 is part of a full range of specialty sealants 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. 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