



## Product Data Sheet

# HYGIENESEAL

## New Generation Hybrid Sealant

### DESCRIPTION

HygieneSeal is a one part, neutral cure adhesive and sealant based on Hodgson Hybrid Polymer Technology. Contains BioCote silver phosphate glass antimicrobial technology to preserve the product and prevent degradation caused by microbial growth.

BioCote technology is proven effective against all common microbes including bacteria and mould. HygieneSeal cures to a permanently highly elastic and durable compound, suitable for almost all bonding and sealing applications.

Excellent adhesion is achieved to most substrates including: timber, metals, brickwork, GRP, glass, ceramics, PVCu, concrete and most plastics (except PP, PE and PTFE) even in wet conditions.

### KEY FEATURES

- Antimicrobial
- Anti-pick properties
- Solvent & Isocyanate free
- 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 & no shrinkage
- High movement capacity
- Permanently flexible
- Can be used on damp surfaces
- Excellent storage stability
- Paintable
- 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/mm<sup>2</sup>  
**Curing rate:** 2-3mm / 24hours  
**Tensile strength:** 2.5 N/mm<sup>2</sup>  
**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 in contact with surfaces bleeding oil, plasticisers and solvents.



## INSTRUCTIONS

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

**Surface preparation:** All surfaces should be clean and free from grease and loose particles. Remove the nozzle and cut to the required diameter. Cut off cartridge tip and screw on nozzle. Ensure that the sealant is forced into the joint so that full contact is made with joint surfaces. See top of cartridge for colour and expiry date. Store in cool, dry conditions.

**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

- Keep out of reach of children.
- Avoid contact with skin and eyes.
- Safety Data Sheet available upon request.

## GENERAL

Hygieneseal 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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