

HS20

Version No. 2

Revision Date: 19/07/2013

Page 1 of 3

DESCRIPTION

HS20 is a high modulus, single component, moisture-curing, adhesive and sealant based on Hodgson Hybrid Polymer Technology. Conforming fully to the requirements of ISO 11600, it offers outstanding performance across a wide variety of industrial applications. It has excellent adhesion to glass, timber, metals, brickwork, most plastics and concrete and does not normally require a primer.

KEY FEATURES

Premium quality high modulus adhesive and sealant.	Excellent adhesion to PVC-U, coated metals, brickwork, polycarbonate, coated timber and glass.
Neutral system, free from isocyanates and silicones.	Adhesive sealing and jointing to most substrates.
Non staining, odour free and bubble free curing.	Permanent elastic sealing with high adhesive strength to a wide variety of substrates including wood, concrete, tiles, steel, aluminium, zinc, copper, brass, stainless steel, glass, polyester.
Good movement accommodation.	Highly resistant to ageing and weathering.
Resistant to water, salt water, grease oils, fuels, defrosting liquids, detergents, aliphatic fats, mildew, weak acids and alkali.	Paintable.

TECHNICAL APPROVALS

HS20 conforms to the following standards: ISO 11600 F-25-HM.

USES

HS20 is a paintable sealant that has been specifically formulated to seal typical joints where a strong bond and high movement is required.	Due to the solvent-free nature of HS 20 it can be used by companies that will not allow highly solvented or harmful sealants onto site, but still require all the advantages of a polyurethane.
---	---

PERFORMANCE

<p>Adhesion: Excellent unprimed adhesion to glass or glazed surfaces, coated metals, brick, PVC-U, polycarbonate, timber</p> <p>Base technology: Hodgson Hybrid Polymer</p> <p>Chemical resistance: Excellent to dilute acids and alkalis</p> <p>Curing system: Neutral cure</p> <p>Elastic recovery: >80% (ISO 7389)</p> <p>Mould resistance: Good</p> <p>Movement accommodation: ± 25%</p> <p>Service life (predicted): 20+ years</p>	<p>Service temperature range: -30°C to +80°C</p> <p>Shore A hardness: 60 (ISO 868)</p> <p>Slump: None (ISO 7390)</p> <p>Specific gravity: 1.5 g/cm³</p> <p>Staining: Nil</p> <p>Elongation at break: >250%</p> <p>Tensile (100% elongation): 1.70 MPa (ISO 8339)</p> <p>UV resistance: Excellent</p>
--	--

HS20

Version No. 2

Revision Date: 19/07/2013

Page 2 of 3

APPLICATION

PROPERTIES

Application temperature range: +5°C to +30°C

Curing rate: Cures at a rate of 2mm in 24 hours at 23°C @ 50% RH. Lower temperatures and drier conditions will result in a slower rate of cure.

Shelf life: 12 months in original unopened packaging at temperatures of +5°C to +25°C.

Skinning time: Skin forms after approximately 15 minutes.

Tack free time: Approximately 15minutes (23°C & 65% RH).

Working time: Approximately <15 minutes depending on conditions.

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. Install bond breaker to prevent bond at base of joint where necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure. Cut the top of the screw thread off the cartridge and screw on the nozzle. Cut nozzle to correct diameter for joint size. Apply using a skeleton or powered gun into the joint ensuring good contact with surfaces. In deep joints, the use of Hodgson Backing Rod is essential to ensure good joint formation. 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 sealant has been applied within the working time for the product.

EQUIPMENT

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

PACKAGING

Available in; 600ml sausages- 12 per case & 290ml cartridges – 25 per case.

Colour range: White (other colours available upon request).

ESTIMATING QUANTITIES

$$\text{Number of cartridges / sausages} = \frac{\text{Joint depth (mm)} \times \text{Joint width (mm)} \times \text{Length (M)}}{\text{Volume of sachet (ml)}}$$

This calculation does not allow for wastage.

HEALTH AND SAFETY

Non-flammable.
There are no known health hazards associated with HS20 when used as recommended.

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

HS20

Version No. 2

Revision Date: 19/07/2013

Page 3 of 3

LIMITATIONS

Avoid exposure to high levels of chlorine.	Do not use in joints deeper than 15mm.
Avoid contact with alcohol and other solvent cleaners during cure.	Do not use for aquaria construction
Not suitable for glazing applications.	Not for use with bitumen, marble or natural stone.
Do not use with plastics such as; PP, PE, PTFE or other low surface energy materials.	

GENERAL

HS20 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.

Hodgson Sealants (Holdings) Limited

Belprin Road, Beverley, East Yorkshire,
HU17 0LN, United Kingdom

T: +44 (0)1482 868321

F: +44 (0)1482 870729

W: www.hodgsonsealants.com

E: sales@hodgsonsealants.com