

HS20 – CLEAR

Version No. 2

Revision Date: 13/04/2015

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DESCRIPTION

HS20 Clear is a single component, moisture-curing, sealant and adhesive based on Hodgson Hybrid Polymer Technology. It is an invisible sealant that 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. PAS 23/24 certified for SBD doorset assemblies.

KEY FEATURES

Premium quality adhesive and sealant.	Crystal clear.
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.	PAS 23/24 certified for SBD door assemblies: Wink Haus – test report: TR1476/A – PAS 24 (doors).
Good UV resistance.	Neutral system, free from isocyanates and silicones.
Good movement accommodation between dissimilar materials.	Excellent adhesion to a wide variety of substrates.

USES

HS20 Clear is a paintable sealant that has been specifically formulated to seal typical joints where a strong, invisible bond and high movement is required.

PERFORMANCE

<p>Adhesion: Excellent unprimed adhesion to materials such as; glass, coated metals, brick, PVC-U & timber.</p> <p>Base technology: Hodgson Hybrid Polymer</p> <p>Chemical resistance: Good</p> <p>Curing system: Neutral cure</p> <p>Rate of extrusion: 100g / min (at 21°C / 4mm nozzle / @3bar)</p> <p>Mould resistance: Good</p> <p>Movement accommodation: 25%</p>	<p>Service temperature range: -30°C to +70°C</p> <p>Shore A hardness: 30 (ISO 868)</p> <p>Consistency: Non-slump paste.</p> <p>Specific gravity: 1.03 g/cm³</p> <p>E-Modulus at 100%: 0.5 MPa</p> <p>Elongation at break: 450%</p> <p>Shear strength: 1.00 MPa</p> <p>Skin forming time: ca. 30mins @ 23°C & 50% RH.</p>
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APPLICATION

PROPERTIES

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

Curing rate: Cures at a rate of 3-4mm in 24 hours at 23°C @ 50% RH. Lower temperatures and drier conditions will result in a slower rate of cure.

Shelf life: 9 months in original unopened packaging at temperatures of +5°C to +25°C.

Skimming time: Skin forms after approximately 30 minutes.

Working time: Approximately 30 minutes depending on conditions.

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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; 290ml cartridges – 25 per case.

Colour range: Crystal Clear

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 recommend.

Wash hands immediately after use.

See Product Safety Data Sheet for further information.

LIMITATIONS

Avoid exposure to high levels of chlorine.

Preliminary tests on plastics are recommended.

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.

PRODUCT DATA SHEET



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GENERAL

HS20 Crystal Clear 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.