

HS20 – CLEAR

DESCRIPTION

HS20 Clear is a single component, moisture-curing, sealant and adhesive based on Hodgson Hybrid Polymer Technology. It is an invisible sealant that 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.
- 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 UV resistance.
- Good movement accommodation between dissimilar materials.
- Crystal clear.
- PAS 23/24 certified for SBD door assemblies:
Wink Haus – test report: TR1476/A – PAS 24 (doors).
- Neutral system, free from isocyanates and silicones.
- Excellent adhesion to a wide variety of substrates.

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.

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.

PERFORMANCE

Adhesion: Excellent unprimed adhesion to materials such as; glass, coated metals, brick, PVC-U & timber.

Base technology: Hodgson Hybrid Polymer

Chemical resistance: Good

Curing system: Neutral cure

Rate of extrusion: 100g / min (at 21°C / 4mm nozzle / @3bar)

Mould resistance: Good

Movement accommodation: 25%

Service temperature range: -30°C to +70°C

Shore A hardness: 30 (ISO 868)

Consistency: Non-slump paste.

Specific gravity: 1.03 g/cm³

E-Modulus at 100%: 0.5 MPa

Elongation at break: 450%

Shear strength: 1.00 MPa

Skin forming time: ca. 30mins @ 23°C & 50% RH.

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.

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ESTIMATING QUANTITIES

$$\begin{array}{l} \text{Number of cartridges} \\ \text{/ sausages} = \end{array} \frac{\text{Joint depth (mm) x Joint width (mm)} \\ \text{x Length (M)}}{\text{Volume of sachet (ml)}}$$

This calculation does not allow for wastage.

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.

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.

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.

EQUIPMENT

A selection of hand & air operated guns are 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

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 

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