

HBX

High Grab Hybrid Polymer with fast strength build up



DESCRIPTION

Tradeseal HBX is a one part, solvent-free sealant/adhesive based on the latest Hybrid X technology. It has an excellent initial grab and very fast strength build up making it ideal for many applications in the construction and vehicle building industries. It has good UV resistance and primerless adhesion to most substrates. It cures to a tough, elastic sealant/adhesive with applications across a range of industries. When cured it has good abrasion, oil and solvent resistance.

APPLICATION

Construction uses include internal and external bonding of many plastics and mouldings (very popular in Hygienic Cladding), timber materials, masonry, most metals, fixing signs, slip bricks, GRP, composites and much more.

Used as a sealant, it can be used for perimeter sealing of plastic, timber and metal frames along with the sealing of expansion and construction joints; it may be used on moist surfaces although dry surfaces will produce a better bond. Clear contains a fungicide so can be used in sanitary applications.

The product is also suitable for many applications within the automotive, roofing, marine and coachwork industries. Suitable for sealing and bonding connection joints in ducting, ventilation and air conditioning installations.

TECHNICAL DETAILS

	<u>White</u>	<u>Clear</u>
Type	Hybrid X Polymer	
Cure system	Cures by vulcanization upon exposure to moisture in atmosphere.	
Specific Gravity	1.65	1.05
Skin Formation Time	Approx. 25 minutes (at 23°C and 50% relative humidity).	Approx. 4 minutes
Cure rate	Approx. 3mm per 24Hrs (at 23°C and 50% relative humidity).	Approx 2mm per 24hrs
As the joint depth increases, the cure rate will slow down		
Shore A hardness (DIN 53505)	45 -55	35 - 45
Max tension (ISO 37)	1.7N/mm ²	1.80 N/mm ²
Movement accommodation	±20%	±20%
Elongation at break (ISO 37)	>200%	>350%
Application Temp Range	+5°C to +35°C.	
Service Temp Range	-40°C to +90°C.	
Shelf Life	12 months when stored in unopened cartridges under cool, dry conditions.	
Life Expectancy	When used and applied correctly the sealant will perform in excess of 20 years.	

South: 01202 820177
North: 0114 2439 515

www.thegluepeople.co.uk
sales@thegluepeople.co.uk

70-72 Cobham Road, BH21 7RN
7-9 Park House Lane, S9 1XA

HBX

High Grab Hybrid Polymer with fast strength build up



APPLICATION INSTRUCTIONS

Surfaces to which HBX is to adhere must be clean and free from loose material, standing water or contaminants, which otherwise may impair the bond. HBX will bond to wet surfaces, but final strength will be better if dry. Non-porous surfaces such as aluminium should be cleaned with scotch pad and solvent wiped. It may be necessary to prime some porous surfaces depending on cohesiveness and porosity of the substrate.

The cured sealant can be painted if required but is not necessary.

COVERAGE

A 290ml cartridge is sufficient to seal approximately 9m with a 6mm bead. Also available in a 600ml foil pack

COLOURS

White and Clear as standard and other colours on request

LIMITATIONS

Tradeseal HBX should not be used to seal aquariums or other continuously submerged joints. Always check to determine suitability of the adhesive on any surface that may give cause for concern. The total lack of UV light, or intense UV light may cause a colour discolouration of the sealant, but will not affect the product performance. Contact with bitumen, tar, EPDM, neoprene, butyl etc is not recommended. Not suitable for polyolefin plastics (PP, PE etc), copper or copper based metals.

HEALTH AND SAFETY

Consult Health and Safety Data Sheet.

Avoid contact of uncured sealant with the skin. If uncured sealant comes into contact with eyes, flush out immediately with clean water for at least 5 minutes. Consult medical advice if irritation persists. Use in a well-ventilated area. As with all chemical products, care should be taken during use and storage. Do not eat or drink while using the product. Keep away from children and animals.

Data contained in this document is for information only and does not constitute any liability. Trade Grade Products Ltd (TGP) cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability of the product for any specific purpose and TGP is pleased to provide a sample upon request.

STORAGE

Store in dry conditions between 5°C and 25°C.



South: 01202 820177
North: 0114 2439 515



www.thegluepeople.co.uk
sales@thegluepeople.co.uk



70-72 Cobham Road, BH21 7RN
7-9 Park House Lane, S9 1XA