

FEATURES AND BENEFITS

- Meets NZBC E2/AS1
- BRANZ appraised: Appraisal No. 1112 [2020]
- Complies with ISO 11600/F/25LM
- Excellent adhesion without primer to most surfaces
- Low modulus with $\pm 25\%$ joint movement
- Superior tooling
- High performance/durability
- Paintable
- Moisture curing, almost odourless
- Free of isocyanates and solvents
- Low shrinkage
- Excellent resistance to UV, water and weather
- Permanently elastic
- Low VOC
- Passed AsureQuality Assessment: food / beverage / dairy factory food areas non-contact with food / food contact surfaces / process waters - H4317 with conditions.

USES

HP Facade is a high quality professional universal low modulus sealant based on hybrid technology. It cures under the influence of humidity to form a durable elastic rubber. HP Facade has been specifically developed for:

- Suitable for most facade applications
- Aluminium window joinery and cladding systems
- Air Seals
- Precast and tilt up panels
- In-situ concrete and render
- Brickwork and block work
- Plasterboard face and paper lined recessed edges
- Fibre cement sheet
- GRC, fiberglass and most specialty panel systems
- Painted wood
- Stainless steel
- Some plastics

PRODUCT INFORMATION

Colour	Black, white and grey
Skin time	90 to 120 min @ 23°C/50% rH

Cure time	2 - 3mm/24hours @ 23°C/50% rH
Sag or slump	Nil
Coverage	~3m per 600ml foil for a 20 x 10mm bead
Product codes	600ml foil/20 per carton Black: HPFC-B White: HPFC-W Grey: HPFC-G

TYPICAL PROPERTIES

Application temperature	5 to 40°C
Service temperature	-30 to 70°C
Shore "A" hardness	25
Elongation at break	350%
100% Modulus	0.35 N/mm ²
Tensile strength	0.50 N/mm ²
Total joint movement	$\pm 25\%$
Maximum joint width	50mm

SURFACE PREPARATION

Joint design must conform to manufacturer's recommendations and NZBC requirements.

Glasscorp backing rods or release tape must be used to ensure two sided adhesion only in joints and limit joint depth. Recommended joint width to depth ratios:

Joint Width - mm	Ratio - Width to Depth
≤ 10	1:1
$10 \leq$ and ≥ 50 mm	2:1

Always ensure that the surfaces to be sealed are dry and free from oil, dirt and grease. Use the two cloth cleaning process for impervious substrates. Ensure the cloths are clean and changed frequently. Use a suitable cleaner such as Glasscorp FB7803. Although adhesion is achieved without the use of primers, priming porous substrates with Bostik Prep P improves the bond strength and durability.

Masking areas to be sealed gives a neater finish.

DIRECTIONS FOR USE

Read and understand the Safety Data Sheet before using this product.

Hybrid sealants are not always compatible with plasticized sealants, bitumen and some backing rods. The incompatibility may cause discolouration, poor sealant cure or long-term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials may occur.

APPLICATION

- Cut the nozzle at a 45° angle to the desired width.
- Cut the foil tip, fit the nozzle and place in caulking gun.
- Hold the gun at a 45° angle and push sealant ahead of the nozzle, ensuring firmly placed sealant in contact with both sides of the joint.
- Tool off smooth and remove masking tape before skinning occurs.
- Although not required, HP Facade is paintable with water based and most 2 part paint systems. We recommend testing compatibility with paint prior to application. It is recommended to lightly sand the sealant and the junction surfaces prior to paint application. For best results, painting within a few days of application is recommended.

LIMITATIONS

- HP Facade is NOT suitable for the following applications:
 - Totally confined spaces where there is no atmospheric humidity, which is needed for curing
 - Adhering mirrors
 - Glazing applications
 - PE, PP, PC, PMMA, PTFE, soft plastics, natural stone, neoprene and bituminous substrates.
 - Use in combination with chlorides (pools and spas)
 - Under water applications
 - Below grade applications
 - Trafficable surfaces
 - Re-sealing over silicone sealants
- HP Facade has a movement capability larger than a normal paint film. Cracking of the paint film may occur if the joint is moving.
- Some high build elastomeric paints contain plasticisers which may affect the sealant. Prime the sealant with a pure acrylic paint first.
- Do not apply in the same area that silicone has recently been applied. Fumes from the silicone can affect the cure of the HP Façade and may ultimately lead to premature failure.
- Testing of new substrates is recommended especially painted, plastic and acrylic substrates.

CLEAN UP

Remove excess sealant using Glasscorp FB7803. Do not use isopropyl alcohol to clean around uncured sealant. Cured sealant can only be removed mechanically. Use Glasscorp Tuff Wipes to remove sealant from tools and skin.

STORAGE AND SHELF LIFE

Store in a cool dry place below 25°C and out of direct sunlight. Shelf life is 15 months from the date of manufacture when stored as directed.

DISPOSAL

Empty foils may be disposed via local landfill.

If spilt, absorb with clay, sand or earth. Collect and seal in properly labelled metal container. Dispose of according to local authority regulations. Do not dispose of down drains or into local waterways.

MAINTENANCE

Do not clean or treat HP Facade with materials, cleaning agents or solvents that may affect or discolour the product. This includes, but is not limited to, bleach containing cleaners, solvents and paint fumes.

Exterior: Rain washing plus manual washing every year. Severe environments may require more frequent washing.

Interior and exterior: yearly inspection and repair of defects as found is required.

FIRST AID/PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Glasscorp products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.glasscorp.co.nz for copies.

DISCLAIMER

This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose before use. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Glasscorp disclaims all warranties in relation to manufacture and use of the product. Glasscorp is not liable for representations made by users, suppliers or retailers about the product. Glasscorp is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of the product contrary to the manufacturer's recommendations or out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Glasscorp does not exclude rights and remedies that may not be excluded by law. If the product is supplied to a purchaser in trade or business relating to the product then by purchasing the product the parties agree that the provisions of the Consumer Guarantees Act do not apply to that supply. Sale of the product by Glasscorp is subject to the Glasscorp Limited Conditions and Terms of Sale. For more information on Glasscorp products, and conditions of use and sale visit www.glasscorp.co.nz

TECHNICAL ADVICE

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