



HB42 Fusion – Ultimate Sealant

Technical Data Sheet / Hybrid Polymer Technology / 290ml cartridge

Description & Application

HB42 Fusion - Ultimate Sealant is a hybrid polymer which fuses the toolability and finish of a silicone with the strength, flexibility and durability of a polymer. Suitable for sanitary, construction, roofing, façade, automotive and marine industries. Also suitable for food preparation areas and moist surfaces. Ideal for expansion and construction joints, and around plastic, timber & metal frames. Excellent anti-mould and UV resistance.

Limitations

Not suitable for aquariums or submerged joints. Always verify suitability for the intended surface prior to use.

Technical Data

Type: Hybrid Polymer

Cure System: Moisture curing (vulcanization)

Specific Gravity: 1.45 – 1.50

Skin Formation Time: Approx. 15–20 minutes (at 23°C / 50% RH)

Cure Rate: Approx. 3 mm per 24 hours

Shore A Hardness: 45–55 (DIN 53505)

Tensile Strength @ 100% Extension: 0.6 MPa

Movement Accommodation: ±20%

Flow: <2 mm (ISO 7390)

Frost Resistance During Transport: Up to -15°C

Application Temperature Range: +5°C to +35°C



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HB42 Fusion – Ultimate Sealant

Service Temperature Range: -40°C to +100°C

Shelf Life

12 months when stored in unopened cartridges under cool, dry conditions.

Life Expectancy

20+ years if applied correctly.

Application Instructions

Ensure all surfaces are clean and free from dust, grease, or standing water. Non-porous surfaces (e.g., aluminium) should be cleaned appropriately. Porous substrates may require priming.

Minimum joint dimensions: 6mm x 6mm. Maximum: 20mm wide x 12mm deep. Use backer rod for deeper joints.

Apply firmly using a standard cartridge gun. Tool within 10 minutes. Overpainting possible (water-based paints only).

Coverage

One standard cartridge (290ml) yields approximately 10m of 6mm bead.

Storage

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

Health & Safety

Avoid skin and eye contact with uncured product. Use only in well-ventilated areas. Refer to the Safety Data Sheet for full guidance.

Further Information

This information is based on our current knowledge and experience. No warranty is given. Always conduct a suitability test for your specific application.

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