

## HB5 Advanced Modified Polymer High Tack Adhesive & Sealant

### **DESCRIPTION**

A one-part, high quality, high modulus sealing and bonding material based on advanced hybrid polymer technology. Totally neutral hybrid sealant for use in areas requiring a tough elastic rubber joint or as an adhesive with superior bonding strength.

### **PROPERTIES**

High modulus, remains permanently flexible. • For sealing and bonding interior and exterior applications in all weather conditions. • Can be over-painted with water based paints. • Non-shrinking. • Contains no isocyanates, solvents, silicone and phthalates. • Rapid curing. • Excellent adhesion to most surfaces (even moist surfaces). • Wet on wet application. • No odour.

### **USES**

HB5 can be used • For filling and sealing of connecting joints, cracks, holes, etc in the building sector. • For bonding metal to metal (can also absorb vibration) • As a universal waterproof construction adhesive for bonding concrete, mirrors (not suitable for plastic backed / safety mirrors), gypsum board, polycarbonates, polystyrene, PVC, many plastics, ceramics, copper, lead, zinc, aluminium, stainless steel, wood and glass. We recommend that test areas be carried out prior to application to ensure compatibility of materials.

### **LIMITATIONS**

Please note this product is not recommended for use with expansion joints or for installations where the joints are continually immersed in water. If allowed to cure in the dark or in poor light the product may yellow. This product is not for use in aquariums. Not suitable for use on low surface energy plastics such as PE, PP and PTFE.

This product may cause staining on marble and other stone surfaces. This can be avoided by using a sealer prior to application. Do not use for bedding in double-glazed units. Do not use on surfaces that bleed oils or plasticisers.

Paintability: As quality and type of paint can vary, always test compatibility before use, but we only recommend water based paints are used with this product. Any mirror made with 6mm glass or thicker needs mechanical fixing.

Any mirror on a sloping wall or ceiling must have mechanical fixings. Any mirror greater than 1m<sup>2</sup> must have mechanical fixings.

1.9 N/mm<sup>2</sup> Elongation at break 60% Density 1.5 Shrinkage Nil Temperature Resistance -30°C to +95°C Application Temp Range +5°C to +40°C. Storage Temp Range +5°C to +25°C. Shelf Life Clear: 9 months Colours: 12 months

Every effort is made to ensure that the information contained in our literature, drawings and correspondence is accurate, but no warranty is given in this respect and the Company shall not be liable as a result of any inaccuracy. The Company reserve the right to alter any time without prior notice, the design, specification, packaging or price of any article and without incurring any obligation. All quantities, weights etc, subject to normal commercial tolerance.

## Ductwork Accessories

### **TECHNICAL DETAILS**

Type: Hybrid Polymer

Cure system: Cures by vulcanization upon exposure to moisture in atmosphere.

Skinning Formation Time: Approx. 10 minutes (at 23°C and 50% relative humidity).

Cure rate: Approx. 2.5mm per 24Hrs (at 23°C and 50% relative humidity). As the joint depth increases, the cure rate will slow down.

Shore A hardness: 45 ± 4 (DIN 53505)

Tensile Strength: 1.9 N/mm<sup>2</sup>

Elongation at break: 60%

Density: 1.5

Shrinkage: Nil

Temperature Resistance: -30°C to +95°C

Application Temp Range: +5°C to +40°C

Storage Temp Range: + 5°C to +25°C

Shelf Life: Clear: 9 months

### **APPLICATION INSTRUCTIONS**

Surfaces to which Sealant is to adhere must be clean and free from loose material, standing water or contaminants, which otherwise may impair the bond.

Carefully cut the top of the cartridge taking care not to damage the threaded area. Screw on the nozzle supplied and cut at an angle of approximately 45°. Apply using a standard sealant gun.

As an adhesive: apply in beads or strips bond the surfaces together carefully and allow to cure.

As a sealant: apply in a continuous bead along the aperture and leave to fully cure. Smooth the joint by tooling with a soapy solution. Remove any excess material and clean tools immediately with white spirit. Replace plastic cap after use.

### **COLOURS**

Available in white, crystal clear, grey and black.

### **HEALTH AND SAFETY**

Consult Safety Data Sheet before use. 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 is believed to be reliable. Limited 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.

Before using this product ensure that you have been supplied with and have read carefully the following information.

- The hazard label (complying with latest CDG/CPL regulations) applied to the container.