PREMIUM CLADDING COLLECTION

Premierbond HT - Crystal Clear

HIGH QUALITY HYBRID POLYMER ADHESIVE WITH HIGH TACK, STRONG INITIAL BOND AND RELIABLE FOR INTERIOR AND EXTERIOR VERTICAL APPLICATIONS

CHARACTERISTICS / ADVANTAGES

- Crystal clear formulation
- Very good adhesion on materials, even if slightly moist
- Good mechanical characteristics
- Mould impervious, contains biocide with fungicidal action
- Suitable for sanitary applications
- Good extrudability, even at low temperatures
- Solvent-free
- Can be painted with water based systems
- Permanently elastic after curing

Product Description

Premierbond HT is a high quality, crystal clear, neutral, elastic, one-component adhesive based on SMX-Polymer, with high tack and double the initial bond strength of most grab cladding adhesives, making it suitable for vertical applications. Its polyurethane formulation ensures reliable bonding of uPVC sheets to most building substrates, for interior and exterior use.

Directions of Use

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply the product evenly without air inclusions into the joint. Smoothen the joint with a spatula with the help of finishing solution. Avoid that finishing solution comes between the joint edges and sealant (to prevent adhesion loss).

It is important to ventilate well the places where the product is applied. Continue to ventilate throughout the curing time.

Finish with a soapy solution of Finishing Solution before skinning. If a repair is required, repair with the same material.

APPLICATIONS

- All common bonding applications, both in and outdoor
- Sealing joints indoors
- Elastic bonding in construction and building applications
- Invisible bonding of glass and transparent applications
- Sealing joints in sanitary rooms (bathroom) and kitchens

Technical Data

Base	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation	ca. 4 minutes
Curing speed	2 mm/24h → 3 mm/24h
Density	ca. 1.05 g/ml
Maximum allowed distortion	± 20%

Elasticity modulus	ISO 37	ca. 0.60 N/mm²
Elastic recovery	ISO 7389	> 75%
Elongation at break	ISO 37	ca. 350%
Maximum tension	ISO 37	ca. 1.80 N/mm²
Hardness		38 ± 5 Shore A
Application temperature		+5°C → +35°C
Temperature resistance		-40°C → +90°C

Please note: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

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SURFACE PREPARATIONS

The surface must be rigid, clean, dry or slightly moist, free of dust and grease. Porous surfaces in water loaded applications should be primed with a suitable primer. Prepare non-porous surfaces with an activator or cleaner (see technical data sheet). While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding or sealing.

Premierbond HT has a good adhesion to following substrates: all usual building substrates, glass, lacquered wood, PVC, plastics, metal, brick, concrete, etc.. Premierbond HT has no good adhesion or is not suitable for PE, PP, PTFE (Teflon®), bituminous substrates, copper or copper containing materials such as bronze and brass. Bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Premierbond HT is not recommended in these applications. We recommend a preliminary adhesion and compatibility test on every surface.

HEALTH & SAFETY

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Keep the area well ventilated during use and curing of the product.
Dangerous. Respect the precautions for use.

PACKAGING / LOGISTICS

Colour: Clear

Packaging: Packed 12 cartridges per box.

Shelf life: 15 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C, Once opened the product has only a limited shelf life.

JOINT DIMENSIONS

Min. width for bonding: 1 mm

Min. width for joints: 5 mm

Max. width for bonding: 3 mm

Max. width for joints: 10 mm

Min. depth for joints: 5 mm

ENVIRONMENTAL CLAUSULES

Leed regulation: Premierbond HT conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

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REMARKS

Premierbond HT is paintable with most water-based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
Premierbond HT can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate , etc., may differ from manufacturer to manufacturer, we recommend a preliminary compatibility test.
Premierbond HT is not suitable for expansion joints.
Not suitable for bonding aquariums.
Do not use in applications where continuous water immersion is possible.
Premierbond HT can discolour under extreme conditions or after very long UV exposure.
Premierbond HT can not be used as a glazing sealant.
Do not use on natural stones like marble, granite,...(staining).
The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap residues will stimulate the development of fungi.
When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
A total absence of UV can cause a color change of the sealant.
Discoloration of the product due to chemicals, high temperatures, UV-radiation may occur.
Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.