Prime-Bond®
Multi Purpose Adhesives

AQH Import & Export (Pty) Ltd
t/a Prime-Bond

TDS006/23

Technical Data Sheet

TYPE: PB13

DESCRIPTION

PB13 Siliconized Acrylic Window & Door Sealant allows you to create paintable seals without compromising on weatherproof performance, making it ideal for exterior paint projects exposed to harsh weather conditions. This premium sealant

has strong adhesion to common building materials including most metals, wood, composites, brick, stone, stucco, cement board, drywall, plaster, vinyl siding, PVC, painted surfaces and more. Thanks to its excellent flexibility and durability, this sealant resists cracking, even after painting, and is mold and mildew resistant once cured.

FEATURES & BENEFITS

- Paintable performance combined with weatherproof protection.
- 24-hour water-ready
- 30-minute paint-ready
- Easy to apply and tools smoothly.
- Long-lasting mold-resistant sealant
- Washout resistant and scrubbable
- Excellent flexibility for durable, crack-resistant seals
- Ideal for caulking around windows, doors, and other household projects
- Easy soap and water cleanup

APPLICATIONS

Siliconized Advanced Acrylic Window & Door Sealant may be used on a variety of common building materials including most metals and woods, aluminum, composites, brick, stone, stucco, masonry, cement board, glass, porcelain, ceramic tile, drywall, plaster, vinyl siding, PVC, fiberglass, and painted surfaces.

LIMITATIONS

Should not be considered:

- For structural repairs
- For use underwater or in other applications where the product will be in continuous contact with water
- For use in food contact applications (direct or indirect)
- For use in aquariums
- On architectural joints, joints subject to heavy abrasion or wear, tuck pointing, or butt joints
- On frozen or contaminated surfaces
- Under exceedingly hot or cold conditions
- On excessively basic or acidic substrates
- For use on surfaces that are above 100°F (38°C)
- For use on unfinished or unprimed fiber cement
- On joints deeper than 1/4” without the use of a backer rod

TECHNICAL DATA

Properties*	Typical Value
Typical Uncured Physical Properties	
Color	**White**
Appearance	**Non-slumping paste**
Specific Gravity:（g/cm³）	**1.55±0.05**
	Typical Application Properties
Application Temperature（℃）	**0~45**
Odor	**Mild acrylic**
Tooling / Open Time（min）	**≤20**
Skin Time /Tack Free (min)	**≤30**
Cure Time（h）	**≤72**
Typical Cured Performance Properties	
Colors	**White**
Cured form	**Non-flammable, rubbery solid**
Water Resistant	**Yes, 24-hour water ready**
Paintable	**Yes**
Shrinkage	**>250**
Service Temperature（℃）	**-20-70**
Shore A Hardness	**50-70**
Elongation at Break (%)	**350**
Tensile Strength at Break（MPa）	**>0.35**

DIRECTIONS OF USE

Tools Typically Required:
Utility knife, caulking gun, and tool to puncture cartridge seal.
Safety Precautions:
Wear gloves and wash hands after use.
Surface Preparation:

- The temperature of the product, any surfaces, and the working area must be above 40°F (5°C). For best performance, apply sealant at 70°F (21°C). It is recommended to store cartridge at room temperature at least 24 hours before use during extreme cold weather conditions.
- Surfaces must be clean, dry and sound prior to application of the sealant. All contaminants, impurities, or other adhesion inhibitors (such as old sealants, oils, soaps, and other surface treatments, etc.) must be removed from surfaces to which the sealant is intended to adhere to. Cleaning of surfaces should be done within 1 to 2 hours before sealant is to be applied, to allow surfaces to dry.
- For cleaning, a solvent-dampened, clean rag usually produces the desired result. Isopropyl alcohol (IPA) is a commonly used solvent that has shown to be effective with most non-porous substrates. When handling solvents, refer to manufacturer's SDS for information on handling, safety, and personal protective equipment.
- Use backer rod for gaps larger than ¼" D x ½" W. A width to depth ratio of 2:1 should be maintained.

• Architectural coatings, paints, and plastics should be cleaned with a solvent

approved by the manufacturer of the product, or which does not harm or alter the finish.
• Since porous materials can absorb and retain moisture, it is important to confirm that substrates are dry prior to application of the sealant.
Masking: The use of masking tape is recommended, where appropriate, to ensure a neat job and to protect adjoining surfaces from over-application of sealant. Masking tape should be removed immediately after tooling the sealant and before the sealant begins to skin over (see Tooling/ Open time).

Application:
• Cut nozzle to obtain desired bead size and pierce inner foil seal.
• Using a caulking gun, apply sealant in a continuous operation applying a positive pressure adequate to properly fill and seal the seam, cavity, or joint.
• Smooth or tool the sealant into gap within 5–10 minutes of application. Tool or strike the sealant with a concave tool, or water moistened, gloved finger applying light pressure to spread the material against the joint surfaces to ensure a voidfree application. Allow for product shrinkage and do not over tool or tool too thin. Doing so will have a negative impact on sealant integrity and performance. Sealant skins over in approximately 30 minutes, depending on humidity and temperature. • When tooling, use care not to spread the sealant over the face of the substrates adjacent to the joint or masking as Siliconized Advanced Acrylic Window & Door Sealant can be extremely difficult to remove from rough or porous substrates. Excess sealant should be cleaned from glass, metal, and plastic surfaces while still uncured, using a damp sponge. On porous surfaces, excess sealant should be allowed to progress through the initial cure or set-up. It should then be removed by abrasion or other mechanical means.
• In near-confined spaces, which limit overall access to the atmosphere, sealant will cure only from that surface which has access to the atmosphere. Do not encapsulate sealant between two non-porous substrates. This sealant is waterbased and will not cure properly.

Note:
• Some materials that bleed plasticizers or oils can cause a discoloration on the surface of sealants. When sealing to or over items such as rubberized gaskets, bituminous based materials, butyl or oil-based products, oily woods, tapes, etc., compatibility testing prior to use is recommended.
• Siliconized Advanced Acrylic Window & Door Sealant is paintable in 30 minutes. Latex paint is recommended. If using oil-based/alkyd paint, wait 24 hours before painting. It is the responsibility of the user to conduct on-site testing to determine compatibility and adhesion. (NOTE: Paints are more rigid than sealants and may crack, wrinkle, or lose adhesion during sealant movement in extreme conditions). • Users must evaluate **Prime-Bond** branded products and make their own determination as to fitness of use in their specific application. It is the user's responsibility to test substrate compatibility, and adhesion of the cured sealant on a test joint before applying to the entire project.

PACKING

300ml cartridge.

SHELF LIFE

Store in unopened containers in a cool, dry area away from heat and direct sunshine under standard conditions. Standard storage conditions are defined as 72 ± 4ºF (22 ± 2ºC) and < 50% relative humidity, **18 months from date of manufacture (unopened)**

STORAGE & DISPOSAL	Store in unopened containers in a cool, dry area away from heat and direct sunshine under standard conditions. Standard storage conditions are defined as 72 ± 4ºF (22 ± 2ºC) and < 50% relative humidity. Elevated temperatures or extreme cold temperatures will reduce shelf life. In cool or cold weather, store container at room temperature for at least 24 hours before using. Use an approved hazardous waste facility for disposal facility. Hardened material may be disposed of in the trash.
HEALTH & SAFETY IN USE	**IRRITANT**:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. **Keep out of the reach of children.**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Fenloc is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you **Note** *carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.*