

FEATURES	<p>: TOA 303 Acrylic Sealant is a one-component, ready to use, water-based, fast skinning, high elastic acrylic sealant which cures in contact with air and humidity to create a permanent flexible seal with high adhesion performance on different materials even porous substrates without primer. Suitable for sealing gaps and joints. Excellent in waterproof, good weather resistance and paintable. Human and environment friendly.</p>
USES	<p>: TOA 303 Acrylic Sealant is mainly used to :</p> <ul style="list-style-type: none"> - Construction gaps and joints on glass, plastic, wood, brick, concrete. - Interior or exterior joints are not subjected to high stress and high movement. - Cracks on concrete wall. - Door and window frames.
ADVANTAGES	<p>: TOA 303 Acrylic Sealant provides the following beneficial properties :</p> <ul style="list-style-type: none"> - One component, ready to use. - High elasticity and room temperature cure. - Good adhesion to many substrates. - Low shrinkage, high flexible. - Excellent workability, non-sagging. - Paintable. - High durability, resistant to UV light. - Very low volatile content and no ammonia smell.
TECHNICAL INFORMATION	
Chemical Base	<p>: Acrylic Emulsion</p>
Appearance	<p>: Viscous liquid in paste form</p>
Color	<p>: White</p>
Density @ 25°C	<p>: 1.50 – 1.55</p>
Solid Content	<p>: ≥ 80 %</p>
Skin Formation : 50% RH	<p>: 15 minutes: 20°C, 6-10 minutes: 25°C</p>
Service Temperature	<p>: -20 to +90°C</p>
Application temperature	<p>: +5 to +40°C</p>
Cure rate (50% RH)	<p>: 1.5 mm. in 1 day. 3 mm. in 3 – 7 days. 5 mm. in 7 – 14 days.</p>
Shore A hardness : ASTM C661 *	<p>: 20 approximately</p>
Tensile Strength 100% elongation ASTM D412 *	<p>: 0.2 – 0.25 N/mm²</p>
Loss of volume	<p>: - 20% approximately</p>
Maximum total movement	<p>: 10% approximately</p>

APPLICATION SYSTEM**Surface Preparation:**

- Substrate must be sound, free of loose or weak particles, dust and dirt. Oil and wax containing layers, as well as laitance must be completely removed.
- For porous surfaces, abrade the surface to remove loose contaminants.
- Nonporous surface should be wipe twice times.
- Always apply corrosion-prevention primer or paint when applying the sealant to bare metal surface.

Application

- Cut off tip nozzle and cartridge to the desired width.
- Fit into caulking apply on surface in steady flow.
- For best results, protect joint with masking tape. Before apply TOA 303 Acrylic Sealant. Then, remove masking tape before sealant has started to cure.
- Smooth and shape sealant with spatula dipped in mild detergent.
- Ensure surface has dried adequately before painting by most paints and undercoats. The waiting time should be at least 24-48 hours for the best result. The paints may crack if applied on not fully dried surface.

Recommendation:

- TOA 303 Acrylic Sealant must be closed tightly after using.
- Keep out off extreme heat or cold and direct sunlight exposure.
- Avoid applying during rain. Do not expose to the rain or water before curing or at least 2 - 4 hours after application depending on the weather.
- Complete final strength result of TOA 303 Acrylic Sealant should be detected at 21 days.
- If contact with the eyes, flush with plenty of water and consult physician.
- In case of skin contact, wash with soap and water.
- Wash all tools immediately after use with water.

USAGE RATE

: 280 ml. cartridge per 3 m.length, 1 cm. width and 1 cm. depth.

HANDLING AND STORAGE**Storage**

- Keep all containers well closed.
- Keep in a dry cool place.

Shelf life

12 months in original packing.

PACKAGING

: 280 ml. per cartridge, 12 cartridge per box.

HEALTH AND SAFETY

- : Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.
- : For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

: This information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything only the quality of the product itself. We reserve the right to change the given data without notice.