

FEATURES

: TOA Polyurethane Sealant is a single component, gun grade polyurethane sealant which cures to a tough, durable flexible material. Easy application and strong adhesion on most common construction materials ie.concrete, aluminium and wood.

USES

: TOA Polyurethane Sealant is mainly used to :

- Precast and expansion joints
- Wall and floor joints
- Doors and windows frame
- Sealing joints in facades, metal construction
- Sealing roof tiles and ceramic tiles

ADVANTAGES

: TOA Polyurethane Sealant provides the following beneficial properties :

- One component, ready to use.
- Good adhesion to many substrates.
- Not leaving stain on surface
- Excellent workability
- High UV resistance
- Paintable

TECHNICAL INFORMATION

Color	: White, grey
Density @ 25°C	: 1.20 ± 0.06 kg / ltr
Solid content	: > 94 %
Sagging	: Non
Application temperature	: 5 - 40°C
Tack free time at 23°C (50% RH)	: 97 min.
: ASTM C679-15	
Cure time at 23°C (50% RH)	: 3 - 5 mm / day
Hardness, Shore A : ASTM C661-15	: 29
Tensile Strength : ASTM D412-15a	: 1.6 N/mm ²
Tensile Stress at 60% elongation	: 0.58 N/mm ²
: ASTM D412-15a	
Elongation : ASTM D412-15a	: 780 %
Heat Resistance at 70°C for 21 days	
: ASTM C1246-00(2012)	
Weight loss	: 0.13 %
Cracking	: Not found
Peel strength, N/25 mm in width	
: ASTM C794-t5a	
Mortar	: 145.6
Aluminium	: 166.0
Water and salt spray resistance	: Excellent
Resistance to dilute acids	: Average
UV resistance	: good
Compatibility with paints	: Excellent (Require test for solvent base)

REFERENCE STANDARD	<p>: Complies with</p> <ul style="list-style-type: none"> - ASTM C 920 - 87 Type S Grade NS - British Standard BS 4254-1983, BS 5889 - JIS A 5758
APPLICATION SYSTEM Surface Preparation: Application Recommendation:	<ul style="list-style-type: none"> - 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. - Protect joint with masking tape. - If the joints have the depth than the width recommend to use backing rod before applying TOA Polyurethane Sealant. - Apply TOA Polyurethane Sealant by using air pressure gun, avoiding air entrapment. - Level TOA Polyurethane Sealant with trowel to concave finish. Smooth TOA Polyurethane Sealant with clean water, adding a few drops of a detergent. - Remove masking tape before sealant has started to cure. - TOA Polyurethane Sealant must be closed tightly after using. - Temperature range for use : 5°C to 40°C - Drying time depends on the size of the gaps. - If large deep gaps, recommend to use backing rod fill to the gaps before applying TOA Polyurethane Sealant.
APPLICATION	<p>: 310 ml. cartridge per 3 m. length 600 ml. sausage per 6 m.length (1 cm. width and 1 cm. depth.)</p>
HANDLING AND STORAGE Storage Shelf life	<ul style="list-style-type: none"> - Keep all containers well closed. - Keep in a dry cool place. <p>: 12 months in original packing.</p>
PACKAGING	<p>: 310 ml. per cartridge, 25 cartridge per box. 600 ml. per sausage, 20 sausage per box.</p>
HEALTH AND SAFETY	<p>: 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.</p> <p>: For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.</p>
DISCLAIMER	<p>: 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.</p>