

FEATURES

TOA ElasticShield is decorative paint with innovative technology from Japan. With high-quality elastomeric acrylic polymer that make durable film, excellent flexibility and stretchable at 500%, can cover up and prevent cracks and hairline problem, anti mould and fungus and low dirt pick up. Suitable for renovated building which need protection from dirt and environmental conditions.

TOA ElasticShield is ideal for application to interior and exterior concrete, new and old masonry surfaces, plasters, bare concrete, bricks, asbestos sheet.

TECHNICAL INFORMATION

Type	Elastomeric Acrylic Polymer
Color	Please refer color to TOA ElasticShield catalog
Film appearance	Gloss
Solid by volume	42 - 45 %
Solid by weight	52 - 55 %
Flash point	N/A °C
Wet film thickness	0.8 - 1.0 mm
Dry film thickness	0.6 - 0.7 mm
Theoretical coverage.	16 m ² / 1 DR (20 kg)

Remark - Actual Surface coverage will depend on surface irregularities, Mixing, Application Condition method and technique; as well as the structure and dimensions of the object to be coated.

Touch dry (25-30°C)	1 - 2 hours.
Recoat dry (25-30°C)	4 - 6 hours.
Full cure (25-30°C)	4 - 6 hours.

REFERENCE STANDARD

MIT Certificate

APPLICATION

Tools	TOA ElasticShield Roller, Normal Roller
Diluent	Clean Water
Dilution (%)	0 - 20 % (roller for first coat)

Ready to use (roller for second coat)

The dilution could be done depends on the variation of temperature and humidity atmosphere

The given figure is the average data from actual use

(Clean the equipment with water immediately after use)

APPLICATION SYSTEM

Surface Preparation

New surface

Substrate must be completely cured and dried (~ 1 month) free from oil, grease, mildew, from release agents and foreign matter or measure moisture which should be less than 14% on the surface with pro-timeter mini. If any crack, it should be repaired on the surface before applying



Old surface	<p>Powdery and chalky surface must be scrubbed and cleaned with water. Measure moisture which should be less than 14% on the surface with protimeter mini. Fungus and mildew growth must be cleaned off with water. Leave to dry for 1-2 days. Apply TOA 113 Microkill copiously by using brush or roller then leave to dry for at least 3 hrs. without rinsing.</p> <p>Apply on cracks with TOA Acrylic Filler for the crack width < 1 mm. and not to crack continuously. Apply on cracks with TOA Acrylic Sealant for the crack width > 1 mm. and crack continuously.</p>
Coating system	<p>Apply 1 coat of TOA ElasticShield Sealer. Allow at least 2 hrs. drying.</p> <p>Apply 1 coat of TOA ElasticShield Sealer. Allow at least 2 hrs. drying.</p> <p><u>First Coat</u> : Apply 1 coat of TOA ElasticShield mixed with clean water at ratio 3 : 1 (paint : water) by normal roller. Allow at least 1 hrs.</p> <p><u>Second Coat</u> : Apply 1 coat of TOA ElasticShield (Ready to use - not mixed water) by TOA ElasticShield roller.</p>
Primer For New Surface	
Primer For Old Surface	
Topcoat	
Recommendation	<p>Vibrant / deep shade</p> <p>Vibrant / deep shade or color shade with # symbol in Fandeck TOA Color world may require additional coats or apply middle coat that it has tone lighter before requiring color</p> <p>Limitations in the use of Vibrant / deep shade with the symbols * , # in TOA's Fandeck</p> <p>* is a shade that has a concern of fading faster than normal shades. Therefore it is recommended avoid for exterior use.</p> <p># is a shade that has limitations in hiding. It is recommended to increase the number of coats.</p>
Chalky surface	<p>Previously painted or chalky surfaces or skim coat surface or jointing surface between gypsum board</p> <p>Recommended to use TOA ElasticShield Sealer to achieve effective adhesion</p>
Surface temperature	<p>The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure correct drying.</p>
HANDLING AND STORAGE	
Storage condition	<p>: The product must be stored in accordance with national regulations.</p> <p>Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.</p>
Shelf life	<p>: 3 years at 30-35 °C</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>: The 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>