



SUPER LASTIC S800

High performance elastomeric polyurethane modified waterproofing

One-component, low VOC, liquid applied waterproofing membrane, highly elastic, seamless, crack bridging membrane for roof, balconies, floor slab, RC gutter, patio, foundations, retaining wall.

FEATURES/BENEFITS

- Eco-friendly with Low VOC / Non-toxic formulation
- Ultra-high bond/ elastic properties designed for superior crack-bridging properties
- Easy application to minimize site application errors
- Enhanced durability with polyurethane modified formulation hence increases the service life

APPLICATION AREAS

- Roof
- Balconies
- Toilets
- Kitchens
- Retaining walls
- Walkways
- Podiums

PRODUCT DATA

Appearances / Colors	Black
Packaging	20kg Plastic pails
Storage	12 Months from date of production
Storage Condition	Dry conditions at temperature between 5 – 35°C

TECHNICAL DATA

Origin	Polyurethane modified bitumen	
Density	1.08 kg/l at +23°C	
Solid Content	~ 50% by volume	
Service Temperature	-5°C to +40°C	
Tensile Strength	~ 1.0 N/mm ²	ASTM D412
Elongation at break	>800%	ASTM D412

APPLICATION CONDITIONS

Substrate temperature	8 – 35°C
Ambient Temperature	8 – 35°C
Substrate	No standing water/condensation on the substrate
Relative Air Humidity	Max. 80%
Dew point	Surface temperature must be +3 °C above dew point

OVER-COATING

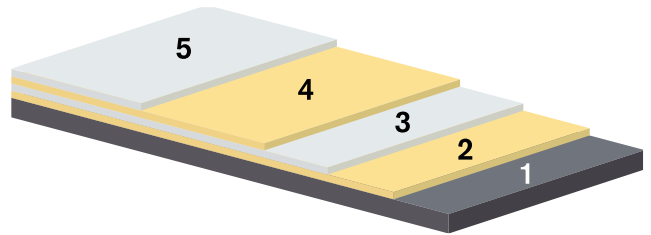
1st coat to primer	5 – 15 minutes (outdoor conditions) / 30 minutes (indoor conditions)
Final coat to reinforcement	Minimum 4 hours
Protective screed/mortar/concrete	48 hours
Tack free	12 hours at 25°C / 50% RH
Dew point	Surface temperature must be +3 °C above dew point

*Above values are based on 25°C & 50% RH

SYSTEM BUILD UP

(A) High Build System

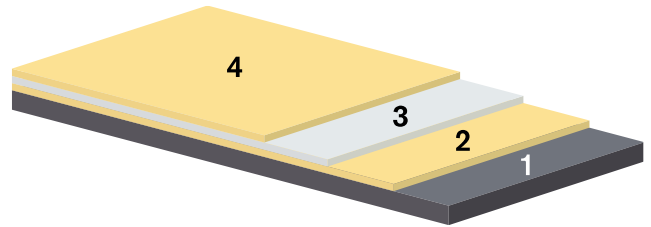
SUPER LASTIC S800 high build system is fortified with **SUPER FIBRE R100** reinforcement to further enhance the tensile strength & durability of the standard system. It is highly recommended for large roof areas. Consumption may vary subjected to substrate quality.



No.	Steps	Description	Consumption/m ²
1	Substrate	Concrete	Clean/No debris
2	Primer	SUPER LASTIC S800 (diluted with 10% water)	0.3 – 0.4 kg/m ²
3	1 st Coat	SUPER LASTIC S800	0.4 – 0.5 kg/m ²
4	Reinforcement	SUPER LASTIC S800 + SUPER FIBRE R100	0.4 – 0.5 kg/m ² + SUPER FIBRE R100
5	Final Coat	SUPER LASTIC S800	0.4 – 0.5 kg/m ²
Total consumption			1.5 – 1.9 kg/m²

(B) Standard System

SUPER LASTIC S800 standard system offers an economy solution with good values & waterproofing function. Highly recommended for small areas such as bathrooms, wet areas, etc. Consumption may vary subjected to substrate quality.



No.	Steps	Description	Consumption/m ²
1	Substrate	Concrete	Clean/No debris
2	Primer	<i>SUPER LASTIC S800</i> (diluted with 10% water)	0.4 kg/m ²
3	1 st Coat	<i>SUPER LASTIC S800</i>	0.5 kg/m ²
4	Final Coat	<i>SUPER LASTIC S800</i>	0.5 kg/m ²
Total consumption for			~1.4 kg/m ²

SUBSTRATE

New concrete should be cured for at least 28 days and should have a Pull off strength 1.5 N/mm². Cement or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. Substrate must have sufficient gradient for surface water to run off easily without ponding water.

TOOLS

- Brush: With thick hair brush *or*
- Roller: With a short-piled lamb skin roller *or*
- Airless Spray Machine: Used only for the standard system.

For spray-applied application, minimum 2 layers with criss-cross direction application. For best performance, the pump should have the following parameter:

- min. pressure: 220 bar
- min. output: 4.1 L/min
- min. Ø nozzle: 0.83 mm (0.033 inch).

APPLICATION

Prior the application of **SUPER LASTIC S800**, all corners or possible weak areas must be treated with **DRI-TAPE J50/SUPER FIBRE R100**, self-adhesive waterproofing joint tape/fibre-glass reinforcement.

Angle fillets (treated with **SUPER LATEX A88**) should be installed at all perimeter corners of the area and allowed sufficient time to cure prior to the installation of waterproofing system.

**Please refer to work method statement for more details.*

High Build System:

SUPER LASTIC S800 is applied in combination with **SUPER FIBRE R100**.

1. Dilute **SUPER LASTIC S800** with 10% water and apply onto area as a primer coat.
2. Apply 1st coat of **SUPER LASTIC S800** after 1 – 2 hours of the primer coat.
3. After 4 – 6 hours, apply 2nd coat of **SUPER LASTIC S800** and roll in **SUPER FIBRE R100**, ensuring that there are no bubbles or creases. The overlapping of the **SUPER FIBRE R100** should have a min. width of 5 cm.

*Note: It is highly recommended to install **SUPER FIBRE R100** in 1m² per section for applicators without much prior experience.*

4. After 12 – 24 hours, apply final coat of **SUPER LASTIC S800**. Ensure sufficient material is applied to embed **SUPER FIBRE R100** completely. The surface should be smooth after application.

Standard System:

SUPER LASTIC S800 is applied without reinforcement.

1. Dilute **SUPER LASTIC S800** with 10% water and apply onto area as a primer coat.
2. Apply 1st coat of **SUPER LASTIC S800** after 1 – 2 hours of the primer coat.
3. After 4 – 6 hours, apply final coat of **SUPER LASTIC S800**.

LIMITATIONS

- Do not apply on substrates with rising moisture. Always apply during falling ambient and substrate temperature. If applied during rising temperatures, pin holes may occur from rising air.
- Ensure that temperature does not drop below 8°C and that relative humidity does not exceed 80% until the membrane has fully cured.
- The coating must be thoroughly dry and free of pinholes before applying next layer.
- Do not allow temporary ponding to remain between coats on any horizontal surfaces or until the final coating has totally cured. Brush or mop surface water away during this time.
- Do not apply on roofs subject to long-term water ponding with subsequent periods of frost. In cold climatic zones for Roofing structures with a pitch of less than 3% appropriate measures must have to be considered.
- Do not apply directly on insulation boards.
- Protect the waterproofing 48 hours after the final coat. Do not expose waterproofing for pro-long period of time.
- It is highly recommended to have 1 – 2 layers of polyethylene sheets on top of the waterproofing membrane before screeding as a separation layer. Minimum screed thickness should follow BS 8204-1:2002
- Upturn of 300 mm is sufficient for shear walls/ plastered brick walls/light weight blocks, etc.
- It is not recommended to apply **SUPER LASTIC S800** for shower walls / walls above 300 mm height which are to receive tiling. Instead, apply **SUPER PRIMER F1** as a water barrier & bonding agent for wall applications. Please contact Dritech Chemicals Sdn. Bhd. for more information.

- Dry wall joints should be treated with water-resistant joint compound such as **STUCCO FLEX+ & DRI-TAPE J50** at critical areas such as floor-to-wall joints or wall-to-wall joints with angles.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned copies of which will be supplied on request.