



TECHNICAL DATA SHEET

Product Code	ISBC-054																			
Product Description	A two component chemically curing acrylic polyurethane coating.																			
Intended Uses	- Recommended for above water areas. - Suitable for use on topsides and external superstructures.																			
Features & Benefits	Excellent durability and long term recoat ability.																			
Product Information	Colours:	Clear, White, Black, Grey, Avocado Green and others.																		
	Density:	Approx. 1.25 kg/l																		
	Recommended Dry Film Thickness:	Min 40µm. Max 60µm																		
	Recommended Wet Film Thickness:	Min 75µm. Max 90µm																		
	Spreading Rate:	Approx. 11.5 m²/l @ 50 µm dft.																		
	Solid Content:	54– 60 % by Volume																		
	Flash Point:	35°C																		
This product is manufactured under strict SABS ISO 9001 : 2015 quality standards.																				
Application Details	Mixing:	This product is a Twin pack coating. Always mix a complete unit in the proportions supplied. Product Mixing (by Volume) Prothane Polyurethane (Part A) 4 Parts Prothane Polyurethane Hardener (Part B) 1 Part Airless spray: Use airless spray.																		
	Method:	Brush: Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness Roller: May be used for small areas. Not recommended for first primer coat. Care must be taken to achieve the specified dry film thickness.																		
	Thinning:	Thinning is not normally required. If required to reduce viscosity, add a minimum quantity of Prostar Prothane 818 Thinner																		
	Cleaning:	Prostar Lacquer Thinners																		
	Drying Time:	Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product <table><tr><td>Substrate temperature:</td><td>-5°C</td><td>5°C</td><td>25°C</td><td>35°C</td></tr><tr><td>Surface Touch Dry</td><td>8 h</td><td>5h</td><td>1.5h</td><td>1 h</td></tr><tr><td>Dry to over coat, minimum</td><td>60 h</td><td>24 h</td><td>6 h</td><td>4 h</td></tr></table>				Substrate temperature:	-5°C	5°C	25°C	35°C	Surface Touch Dry	8 h	5h	1.5h	1 h	Dry to over coat, minimum	60 h	24 h	6 h	4 h
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Cleaning of Equipment:	After use, remove as much product as possible, and then clean immediately with Prostar Lacquer Thinners																			
Surface Preparation	All surfaces to be coated should be clean, dry and free from contamination.																			
	New Building:	Prostar Prothane 818 Polyurethane Acrylic should always be applied over a recommended primer. The primer surface should be dry and free from all contamination, and Prostar Prothane 818 Polyurethane Acrylic must be applied within the overcoating intervals specified																		
	Repair:	Prostar Prothane 818 Polyurethane Acrylic should always be applied over a recommended primer. The primer surface should be dry and free from all contamination, and Prostar Prothane 818 Polyurethane Acrylic must be applied within the overcoating intervals specified.																		
	Coated surfaces:	Following fresh water washing and degreasing, Prostar Prothane 818 Polyurethane Acrylic may be applied directly over paint provided the coating is intact.																		



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Surface Preparation

Loose or flaking material:

Remove material back to a firm edge. Apply an appropriate **Prostar Paints primer** to repair the area, followed by a full coat of Prostar **Prothane 818 Polyurethane**.

Precautions

- Do not apply during inclement of extreme weather conditions:
 - wet, below 10°C or above 35°C
 - Relative humidity above 80 %
 - Temperature Lower than 3°C of dew point
- This product is not recommended for use in permanently immersed conditions

Safety Precautions

- Keep out of reach of children.
- If product is ingested seek immediate medical advice. Do not induce vomiting.
- In case of eye contact, immediately rinse the eyes with water and seek medical attention.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
- Always ensure good ventilation during and after application
- Ensure that product is stored in a cool dry.
- Do not smoke while painting.
- Wear a suitable dust mask if sanding.
- To avoid any risk of spillage, always transport in a secure upright position.

Colour

- Products primarily meant for use as primers or anti fouling's may have slight colour variations from batch to batch. Colour and gloss retention on topcoats/finish coats may vary depending on type of colour, exposure environment and application quality.

Disclaimer: Colour swatch references may differ from actual colour. The ffg factors may affect final colour; product sheen & texture, colour and light reflections, application, surface texture and preparation. For best colour and sheen consistency, it is advisable to use containers of the same batch number or to finish in a corner before starting a new corner.

Storage Conditions

- Flammable. Store in a cool dry place away from heat and sparks.
- Store in a cool, dry place away from direct sunlight or extreme cold.
- Open containers should not be stacked.

Disclaimer:

The recommendations contained herein are given in all good faith and are meant to guide the specify or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No Guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

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