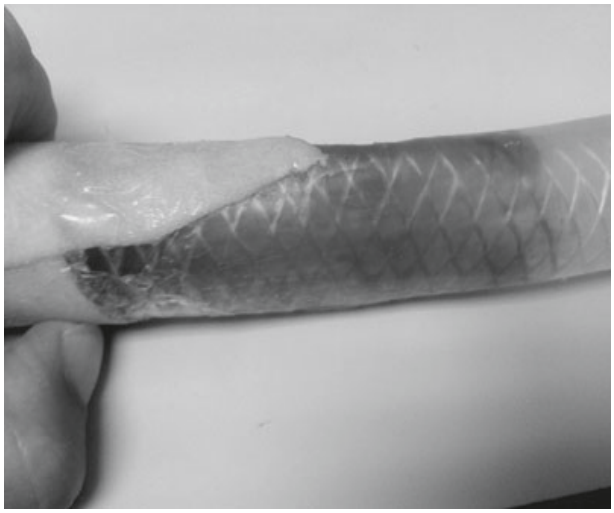
Item Code: 95075K
Feb 2013 v2

ProLong

Provides maintenance free PRODUCTION - LONGER

UNIVERSAL PRIMER

TECHNICAL REFERENCE INFORMATION



UNIVERSAL PRIMER is a single pack fast setting, high strength adhesive for use with SR polyurethane products as an aid to adhesion.

UNIVERSAL PRIMER is a blend of diluted polymers demonstrating extremely high adhesive properties with good flexability, effective in promoting a strong bond between SR products and most substrates. Specially developed for steel, rubber and plastic substrates.

TYPICALLY USED ON:

Steel	Fibreglass
Rubber	Plastic
Polyurethane	Concrete

GENERAL PRODUCT INFORMATION

Colour	Blue
Consistency @ 24°C	Liquid
Specific gravity	0.9
Coverage, m^2/240g @ 50 micron	4.0
Cure time, Minutes	60

ADHESION

1 = Excellent peel adhesion 2 = Good peel adhesion
3 = Good overall adhesion 4 = Poor adhesion

Bronze	1	Concrete	2
Copper	1	Epoxy	1
Fibreglass	1	HDPE	2
Natural rubber	2	Polypropylene	3
Polyurethane	2	PTFE	4
Steel	1	Rubber	3
Timber	2	UHDPE	3

APPLICATION

It is essential that all surfaces to be treated are properly prepared to obtain a strong bond between the substrate and the product.

For plastic, rubber & metal, apply 1 even coat to all prepared bonding surfaces and allow to dry. If the first coat has not provided adequate coverage or is uneven, leave it to dry for 30 minutes before applying a second coat.
For porous materials such as timber and concrete, 2 coats should be applied. In many instances, E Primer should be used to ensure an even flat surface to bond to is created.

Universal Primer should be allowed to dry for 60 minutes before immediate application of the appropriate Synthetic Rubber product. Optimum primer thickness is 50 micron.

SURFACE PREPARATION

It is essential that all surfaces to be treated are properly prepared to obtain a strong bond between the substrate and the product.

- All oil, dirt and other loose contamination must be removed by washing, degreasing or blasting.
- Surfaces should preferably be abrasive blasted although roughening using mechanical alternatives such as wire brush or abrasive disc can be used to leave a clean surface, free of scale, rust and other foreign substances.

For maximum adhesion to metallic surfaces, grit blast to expose a sound substrate with a nominal surface profile of 50 micron. Application should take place immediately after preparation to avoid oxidation of the freshly prepared surface.

Surfaces that have been exposed to extreme environments such as continuous operation in sea water or petroleum products may necessitate alternate preparation procedures. Consult National or International standards where possible.

CLEAN UP

Clean tools and equipment immediately after use with heavy duty industrial hand cleaner or detergent.

CURE

Variations in cure may arise due to the amount of material being applied, the thickness of material being applied, the surface temperature, and the product temperature. The cure may be increased by applying external heat to the prepared surface before application of the product. This can be done with heat lamps or other heat sources. The cure may be decreased by cooling the product before mixing.

SHELF LIFE

Store away from heat and direct sunlight. A minimum of 2 years should be expected if held in original unopened containers.

WARRANTY

Since the storage, handling and use of this product is beyond our control, this product is supplied without guarantee. Furthermore, nothing should be construed as a recommendation to use this product in conflict with existing patents.

Material Safety Data

U.N. Number	1133
Dangerous Goods Class and Subsidiary Risk:	3
Hazchem Code:	3(Y)
Poisons Schedule:	5

Physical Description / Properties

Colour:	Blue
Odour:	Solvent
Percent Volatiles:	76 %
Specific Gravity:	0.9
Solubility in Water:	Non Soluble
Flash Point (° C):	10
Flammability Limits:	Not Available

Ingredient Chemical entity	Proportion
Polymer Resin Mixture	Medium
Hydrocarbon Solvents	High
Proprietry Formula	

(High>60%) (Medium 10% - 60%) (Low<10%)

HEALTH HAZARD INFORMATION

Health Effects

Health Effects

Swallowed:	Moderate irritation. Can result in nausea, vomiting, stomach pain or discomfort.
Eye:	Moderate irritation, no corneal damage likely.
Skin:	Possible irritant. Prolonged or repeated uncontrolled exposure may lead to dermatitic effects.
Inhaled:	Overexposure may cause irritation of respiratory tract and central nervous depression.

First Aid

Swallowed:	DO NOT induce vomiting. Give a glass of water and contact a doctor or the Poisons Information Centre.
Eye:	Hold eye lids open and flood with water for 15 min. See a doctor.
Skin:	Remove contaminated clothing, wash affected area with soap and water. If swelling or blisters occur, seek medical attention.
Inhaled:	Remove to fresh air. Give water or milk. Administer oxygen if breathing difficulty.

PRECAUTIONS FOR USE

Exposure limits:	Not determined for this product.
Ventilation:	Use in well ventilated areas. Exhaust ventilation should be used in enclosed areas
Personal protection:	Avoid contact with skin and eyes. Wear coveralls, eye protection, rubber gloves and while handling, organic vapour respirators.
Flammability:	Flammable.

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SAFE HANDLING INFORMATION

Storage: Keep away from heat, sparks and flame. When storing, do not allow to freeze and store below 35ºC.

Spills and Disposals: Pick up and consult local authorities for disposal.

Fire/Explosion Hazard: This product is flammable. Self contained breathing apparatus should be available for firemen and water sprays, foam, dry chemical or CO_2 should be used.

This MSD summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSD and consider the information in the context of how the product will be handled and used in the workplace including use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the manufacturer.

PROLONG PRODUCTS ARE MANUFACTURED BY
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