

**ELI-DUR FR/70
PU RUBBER REPAIR PASTE**

PRODUCT:	Eli-Dur FR/70 is a two component, ambient temperature curing Rubber Repair Paste with excellent flexibility, good tear strength and abrasion resistance.	
COLOUR:	Resin:	Black
	Hardener:	Brown
FLASHPOINT:	Resin: >150°C (302°F)	Hardener: >200°C (392°F)
IGNITION TEMPERATURE:	Resin: >400°C (752°F)	Hardener: >400°C (752°F)
MIXING RATIO:	<u>By Weight</u> 100 Parts Resin 20 Parts Hardener	<u>By Volume</u> 100 Parts Resin 16 Parts Hardener
	NOTE: Mix resin and hardener for 3 minutes. Avoid air entrapment.	
IMPORTANT:	An increase in temperature shortens working time, gel time, setting time. A decrease in temperature extends working time, gel time, setting time.	
SPECIFIC GRAVITY / 25°C:	Mixed Resin:	1.04 – 1.05 g/cm ³
VISCOSITY / 25°C:	(Mixed Resin) - Thixotropic Paste	
COVERAGE: (1mm Thick Application)	0.9 m ² /kg	
PRACTICAL WORKING TIME / 25°C: (150g mix)	5 – 7 Minutes	
GELTIME: (150 g mix / 5 mm Thick Application)	At 25°C 10 Minutes	At 5°C 15 – 20 Minutes
SETTING TIME: (150 g mix / 5 mm Thick Application)	At 25°C 15 – 20 Minutes	At 5°C 50 – 60 Minutes
TACKFREE TIME: (150 g mix / 5 mm Thick Application)	At 25°C 1 – 1½ Hours	At 5°C 12 Hours

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DEMOULDING TIME: (150 g mix / 5 mm Thick Application)	At 25°C 2 Hours	At 5°C 24 Hours
SHORE A HARDNESS / 25°C: Cured for 24 Hours	60 – 62	
Cured for 48 Hours	60 – 65	
Cured for 7 Days	65 – 70	
HEAT RESISTANCE:	Product is suitable for applications up to 80°C (176°F)	
TENSILE STRENGTH: (DIN 53504)	3 – 4 MPa	
ELONGATION AT BREAK: (DIN 53504)	260 – 270 %	
TEAR PROPAGATION RESISTANCE	3 – 4 MPa	
ADHESION TO: (cleaned & roughened)	Metal, Concrete, Rubber, PVC Good - Satisfactory	
NOTE:	In certain cases, the application of the adhesion promoter FR/704 is recommended.	
IMPORTANT:	To obtain adequate adhesion it is necessary to apply the Eli- Dur FR/70 when the adhesion promoter is still slightly tacky.	
TYPICAL PROPERTIES & USES:	Once crosslinked the Eli-Dur FR/70 paste produces an ambient temperature curing high grade rubber with hardness of Shore A 60 – 65. The product shows excellent flexibility combined with good tear strength and abrasion resistance. Eli-Dur can be used for indoor and outdoor applications.	
TYPICAL APPLICATIONS:	Eli-Dur FR/70 Paste has been formulated for applications on vertical surfaces for "on the spot" conveyor belt and rubber repair. Protection against chemical attack and corrosion. Protection against abrasion on tanks, chutes, wear plates, conveyor troughs, pipes and concrete.	
HANDLING PROPERTIES:	Eli-Dur FR/70 Paste shows no dermatitic properties and has only very low irritation potential at ambient temperature. However, good industrial hygiene must be observed. Direct contact with skin should be avoided. In case of accidental skin contact, wash affected area with soap and water.	
STORAGE STABILITY:	Eli-Dur FR/70 resin and catalyst is moisture sensitive. Material must be stored under dry and cool conditions in tightly sealed containers. Prolonged exposure to temperatures in excess of 25°C must be avoided. Stored under correct conditions, product remains stable for at least 12 months.	

NOTICE:

The technical specification and or the technical advice whether verbal, in writing or by trials is given in good faith and based on test results obtained but without warranty. It does not release the user from the obligation to test the products supplied by Elite Chemical Industries or any third party as to the suitability for the intended application.

The application, use and processing of the product is beyond Elite Chemical Industries (Pty) Ltd's control and legal obligation in respect of any sale of its products shall be determined by the terms of the Company's conditions of sale.

MAY 2021
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