

TECHNICAL INFORMATION

ELI-FLEX

Product : RUBBER REPAIR ELI-FLEX FR909/N60 PASTE is a two component, ambient temperature curing compound with excellent flexibility, good tear strength and abrasion resistance.

Colour	:Resin - Black :Hardener - Brown
Mixing Ratio	:By Weight - 100 pts Resin : 22 pts Hardener :By volume - 100 pts Resin :18 pts Hardener
NOTE	: Mix resin and hardener for 3 minutes. : Increases in temperature will shorten the working time and setting time. : Decreases in temperature will extend the working time and 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 - 0,6m ² /kg
Practical Working Time	: (Pot Life) 150g mix / 25°C = 5- 7
Geltime/25°C	minutes : 150g mix = 10 minutes
Geltime/5°C	: 150g mix = 17 minutes
Setting time /25°C	: 2mm thick application = 20 - 25 minutes
Setting time / 5°C	: 2mm thick application = 50 - 60 minutes
Coverage	: 0,6 m ² / kg

TYPICAL CURED PROPERTIES

Hardness after 24 hours	: Shore A 60-62
7 days	: Shore A 65-70
Hardness at 80°C	: Shore A 80
Tensile Strength	: (DIN 53504) 3-4 Mpa
Elongation at break	: (DIN 53504) 260 - 270%
Impact resistance	: (DIN 53453) .10KJ/m ²
Tear propagation resistance	: 3-4 MPA
Modulus @100%	: 1,5 – 1,9 Mpa
Modulus @300%	: 3,5 MPa
Abrasion	: (DIN 53516 mm ²) 350 - 450
Heat Resistance	: 80-90°C
Adhesion	: To cleaned and roughened metal, concrete, rubber, PVC and plastic – Good

Typical Properties : Once mixed, Eli-Flex FR909/N60 Paste produces an ambient temperature curing high grade rubber with a shore A hardness of 60-65. The product shows excellent flexibility combined with good tear strength and abrasion resistance. Eli-Flex can be used for indoor and outdoor applications, both above & below ground.

TYPICAL APPLICATIONS AND USES

Eli-Flex FR909/N60 paste has been formulated for applications on vertical or horizontal surfaces for “on-the-spot ” conveyor belt and rubber repair. e.g holes, tears, splits, cracks, sealing joints, preventing spillage, and covering metallic fasteners, repairing marine fenders, floating hoses, miscellaneous rubber repairs etc.

HANDLING PROPERTIES

Eli-Flex FR909/N60 paste has a very low irritation potential at room temperature. However, good industrial hygiene must be observed. Details can be found under *Precautions For Use*.

STORAGE STABILITY

Eli-Flex FR909/N60 Hardener is moisture sensitive. Material must be stored under dry and cool conditions in tightly sealed containers. Prolonged exposure to temperatures in excess of 40°C must be avoided.

NOTICE

The technical specification and/or our technical advice whether verbal, in writing or by trials is given in good faith and based on our test results obtained, but without warranty. It does not release the user from the obligation of testing the products supplied by us or by any third party as to the suitability of the intended application. The application, use and processing of the products are beyond our control and Elite Chemical Industries (Pty) Ltd legal obligation in respect of any sale of it's products shall be determined by the terms of it's conditions of sale. PATENT APPLICATION NO. 86/4152.

