

**ELI-FIL 'FE' FR/179  
METAL FILLING PUTTY**

PRODUCT:	A metal filled, ambient temperature curing, two-pack Epoxy Paste with outstanding mechanical and thermal properties.	
APPLICATION:	By spatula	
VISCOSITY / 25°C:	Eli-Fil "FE" is a non-sagging paste	
MIXING RATIO:	By weight:	100 parts of Resin "A" 25 parts of Hardener "B"
	By Volume:	100 parts of Resin "A" 30 parts of Hardener "B"
	Measurement:	(Resin 1 x 12,5 ml spoon = 20g) (Hardener 1 x 2 ml spoon= 5g)
GEL TIME / 25°C:		
(5 mm thick application):	45 – 60 Minutes	
(2 mm thick application):	60 – 70 Minutes	
SETTING TIME / 25°C:		
(5 mm thick application):	1½ – 2 Hours	
(2 mm thick application):	2 – 2½ Hours	
EXOTHERM:	Low heat development up to 200 g mass High heat development in a mass exceeding 800 g	
SPECIFIC GRAVITY / 25°C:	Of mixed compound:	1.65 – 1.7 g / cm <sup>3</sup>
<u>PHYSICAL CHARACTERISTICS</u>		
HARDNESS AFTER 24 HOURS: (Cure / 25°C)	Shore D: 90 - 95	
HEAT RESISTANCE:	Suitable for applications up to 95°C	
TENSILE STRENGTH: (DIN 53455)	60 N/mm <sup>2</sup>	
FLEXURAL STRENGTH: (DIN 53452)	55 N/mm <sup>2</sup>	
COMPRESSIVE STRENGTH: (DIN 53454)	95 N/mm <sup>2</sup>	
LOWEST APPLICATION TEMPERATURE:	10°C	

PROPERTIES AND USES:

Eli-Fil can be used in conjunction with any metallic object, e.g. to repair broken castings, tanks, parts of machinery, to level irregularities and fill blow holes to build up worn parts and to bond various metals, iron, steel, aluminium. It is also suitable for making tools, jigs, models, etc.

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 to test the products supplied by us or any third party as to the suitability for the intended application.

The application, use and processing of the products are beyond our control and Elite Chemical Industries [Pty] Ltd's legal obligation in respect of any sale of its products shall be determined by the terms of its conditions of sale.