

Eli - Fil Metal Filling Epoxy Systems

BRONZE PUTTY FR 849

PRODUCT two component	An ambient temperature curing, Bronze putty of paste like viscosity.
APPLICATION	By spatula
VISCOSITY / 25°C	A non-sagging paste
MIXING RATIO	By Weight: By Volume:
Resin (44g)	100 parts of Resin 12,5 ml spoon
Hardener (8.8g)	20 parts of Hardener 5,0 ml spoon
MIXED COLOUR	Bronze
RECOMMENDED MIXING OPERATION	a) mix resin and hardener thoroughly with a spatula on a flat surface for a minimum of 3 minutes (until a uniformed colour is obtained).
	Note: insufficient and inconsistent mixing will result in a slower setting time with poor mechanical properties.
WORKING LIFE / 25°C (300 g mix)	8 Minutes
GELTIME (300g mix / 25°C) (5mm thick application)	10 Minutes
SETTING TIME (300g mix / 25°C) (5mm thick application)	13 - 15 Minutes
FULL CURE / 25°C (Maximum strength properties)	72 Hours
SPECIFIC GRAVITY / 25°C	Resin: 2.9 – 2,95g/cm ³ Hardener: 1.2 - 1,3g/cm ³ Mixed Resin: 2.6 – 2,7g/cm ³
HARDNESS OF MIXED COMPOUND after 24 hours cure / 25°C / 50°C / 75°C	Shore D 85 - 90 Shore D 84 Shore D 70

FR 849

ADHESION Excellent on cleaned and
roughened ferrous / non-ferrous metal.

HEAT RESISTANCE The product is suitable for
applications exposed to 80° max.
(Cured 7 days / 25°C)

CHEMICAL RESISTANCE Excellent resistance to: Grease, Oil,
Water, Petrol Diluted Acids,
Alkaline, Benzol, Toluol, Xylol, and
various alcohols.

Poor resistance to: Methylene
Chloride, Trichloroethylene Esters,
Ketones, concentrated acids,
Alkaline, (Caustic Soda).
Individual tests are recommended.

TYPICAL APPLICATIONS The Eli – Fil FR 849 Bronze putty has been
designed for quick and long lasting
repairs on damaged or worn
machine parts, bushings, pipes
Seals, pumps, impellers, shafts etc.

The cured putty can be easily machined, drilled and tapped
making the product suitable for
filling in blowholes, incorrectly
drilled holes in castings and
levelling of surface imperfections.

STORAGE STABILITY 12 months stored under dry and cool
conditions packed in tightly sealed
containers.

TOXICITY Very low toxicity at ambient
temperatures. However, gloves
should be worn and adequate
ventilation must be ensured during
application.

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 Messrs 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.

July 2002