

Product Data Sheet



ASMACO EPOXY STEEL

Product Description:

Asmaco Epoxy Steel is a two part ambient curing Epoxy adhesive suitable for general purpose applications and repair works of metal parts. This is a quick curing adhesive with a short pot life of 4minutes. Asmaco Epoxy Steel develops it's 70% of strength in one hour. The product is tough enough to take impact loads. The cure product can be machined using common machining operations.

Key Features:

- Ambient temperature curing
- Fast curing
- Convenient mix ratio of 1: 1 by weight / volume
- No shrinkage
- Can be shaped through machining and best suited for metal repairs
- Resistant to solvents and water
- Good resistance to oils
- Good adhesion on metals, wood, glass, ceramics and many of the plastics
- Steel filled to give optimum performance

Typical Properties:

Appearance	
Resin	Paste
Hardener	Paste
Colour	
Resin	Black
Hardener	White
Mixed	Grey
Mix ratio, Resin: Hardener (by weight / by volume)	1: 1
Pot life (4g mix) minutes	4
Hardness after 24 hours, Shore D	85
Time required to reach handling strength, Minutes	20 -30

Usage Instruction:

Clean the surfaces to be bonded / repaired to ensure that they are clean from rust, dust, oils and greases. Squeeze out equal quantities of resin and hardener and mix well to get a homogeneous uniform grey coloured mix. Apply the adhesive on both the surfaces and join the surfaces together. Maintain the contact pressure till the adhesive is set. Machining and shaping can be done after 18 / 24 hours

Caution:

DIRECT CONTACT WITH UNCURED ADHESIVE IRRITATES EYES AND MAY IRRITATE SKIN. OVER EXPOSURE TO VAPOUR MAY IRRITATE NOSE AND THROAT. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with adhesive on hand. In case of eye contact, flush eyes with plenty of fresh water for 15 minutes and obtain medical attention. In case of skin contact, remove from skin and flush with water. KEEP OUT OF REACH OF CHILDREN. Consult Material Safety Data Sheet (MSDS) to know more about handling and safe usage.



ASMACO Epoxy Steel

Automotive

Industrial

Household

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Storage and Shelf Life:

Storage: Store at or below 30°C away from direct flames and heat sources.

Shelf life: 24 months if stored as per the storage condition and in original un opened packing. Storing at higher temperatures may reduce the shelf life.

Packaging:

ASMACO EPOXY STEEL is available in standard 28g tube pairs of aluminium collapsible tubes.

Shipping Limitations: None

Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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