

# E 400 Moldable Putty / pourable Coating

100% SOLIDS, MOLDABLE- POURABLE

**Dyna Therm**

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Technical Bulletin  
May, 2010

## MATERIAL DESIGNATION

Dyna Therm E-400P moldable Putty

NSN: 8030-01-067-7587 – Repair putty Pint Kit

Meets AS-1129, LAC-40-4344-B, WS-4510-B,  
GD/900-800-093 or 423-800512,  
Thiokol P/N-5886

## PRODUCT DESCRIPTION

E-400 Moldable-Pourable is a 100% solids, low density, epoxy polyamide compound available in two ranges of viscosity which allow the material to be poured or molded in place. Developed primarily for use in the repair of items coated with the sprayable E-400 thermal insulating coating system, E-400 Moldable Pourable can also be used for molding and encapsulation.

## SURFACE PREPARATION

When adhesion is required, the substrate must be clean and free of dust, oil, grease and any other surface contaminant. Sand or grit blasting of the surface followed by solvent Wiping is recommended prior to application of the E400. No primer is required. When used for damage repair, the surface to be adhered to should be abraded with sand paper or steel wool and wiped clean with MEK or isopropyl alcohol prior to the application of the E400 Moldable-Pourable.

## MIXING AND APPLICATION

E-400 moldable-pourable can be molded in sheets and blocks or used as an encapsulant or adhesive. The two parts of the system combine at a ratio of 2: 1 parts by weight of A and B. When combined, mixing is continued only until the color is uniform (no streaks are present). If possible the mixing should be done under vacuum to reduce the quantity of entrapped air. After mixing, de-gas the material prior to use. The E-400 Moldable-Pourable will cure overnight (16 hours) at room temperature. The use of elevated temperatures (140°F maximum) will accelerate curing.

Dyna Therm Products

Manufactured By The Flamemaster Corporation - [www.flamemaster.com](http://www.flamemaster.com)

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Typical Properties	
Color	off-white
Solids	100%
Mix Ratio	2:1 by weight A/B
Mix Viscosity	pourable 8,000 cps moldable 14,000 cps
Pot Life	3 hours
Cure Time	16 hours @ 75° F
Hardness	50 Shore D
Density	42 lb./ cu. ft.
Storage	1 year below 80 F

## SAFETY

Refer to product MSDS for storage, handling, and disposal requirements. Product is intended for industrial use only. Keep out of the reach of children.

## CLEANING OF TOOLS / EQUIPMENT

Prior to full cure, all tools and mixing equipment may be cleaned with warm, soapy water. The cured material can be cleaned from mixing and handling equipment only through the use of epoxy removers/strippers.

## PACKAGING

E-400 Moldable-Pourable is available in Pint, Quart and Gallon Kits

The information presented herein is based on data believed to be reliable. However, Flamemaster can not insure that your results will be the same as those described, as the conditions of use are beyond our control.

Supersedes December, 1999

Page 1 of 1

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