



*Your Chemical Solutions Provider*

**TECHNICAL DATA SHEET  
MIL-DTL-53039D TY.VII  
MOISTURE CURE  
CARC POLYURETHANE  
PAGE 1 OF 2**

**PRODUCT:** A single component, hi-solids aliphatic, CARC polyurethane coating in an easy to use aerosol can for easy touch up.

**DESCRIPTION:** MIL-DTL-53039D Polyurethane Coating is a single component moisture cured product that forms a film that is resistant to chemicals, solvents and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant coating is required. It is specially formulated for excellent ultraviolet ray resistance and superior exterior durability. It is low "VOC" and high solids to comply with most regulations. Available in both camouflage and non-camouflage for use as a finish coat of military combat equipment.

**PROPERTIES:**

SOLIDS(Volume)..... 51 - 54%\*\*  
VISCOSITY..... 65 - 80 KU  
SHELF LIFE(77 degrees F)..... 1 Year\*  
DRY TO TOUCH..... 5-30 Minutes\*  
DRY HARD..... 3 Hours\*  
DRY THROUGH..... 4 Hours\*  
FULL SERVICE..... 7 Days\*

\* Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.

\*\*Values will vary with color.

**ADVANTAGES:**

- (1). Excellent Exterior Durability
- (2). Abrasion Resistant
- (3). Chemical Resistant
- (4). Meets MIL-DTL-53039D Specification
- (5). Resistant to Corrosive Fumes



*Your Chemical Solutions Provider*

**TECHNICAL DATA SHEET  
MIL-DTL-53039D TY.VII  
MOISTURE CURE  
CARC POLYURETHANE  
PAGE 2 OF 2**

**SURFACE PREPARATION:** Surface to be coated must be clean, structurally sound and free of all foreign contaminants including dirt, wax, loose paint or grease. Greasy or oily surfaces should be solvent cleaned with care taken not to paint over moist or wet surfaces. The recommended primer is MIL-PRF-23377J Epoxy Polyamide. The use of alkyd based primers under this coating is not advisable. Old paint in peeling condition must be removed. Sandblasting or wire brushing are the preferred methods. Chalky paint must also be wire brushed for maximum adhesion.

**APPLICATION:** MIL-DTL-53039D Type VII Polyurethane Coating is for touch up spray applications. Apply at 2-3 wet mils / 1-2 dry mils.

**PRECAUTIONS:**

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.