

METRIC

MIL-DTL-53039/1(AT)

7 October 1999

## DETAIL SPECIFICATION SHEET

### COATING, ALIPHATIC POLYURETHANE, SINGLE-COMPONENT, CHEMICAL AGENT RESISTANT, 2.2 VOC, TYPE II, FOR USE WITH SUPERCRITICAL CO<sub>2</sub> PROCESS

This specification is approved for use by the U.S. Army Tank-automotive and Armaments Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of MIL-C-53039 listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation.

#### REQUIREMENTS AND VERIFICATIONS:

All coating requirements and verifications shall be as cited in MIL-C-53039, except for the following:

Viscosity: The liquid coating shall exhibit a viscosity no greater than 15,000 centipoise, when tested in accordance with ASTM D2196.

Spraying properties: The use of a supercritical carbon dioxide (CO<sub>2</sub>) process to meet the spraying properties requirements of MIL-C-53039 is permitted. If the use of a supercritical CO<sub>2</sub> process is used to meet the requirements, the test of FED-STD-141, Method 2131 is not applicable.

ASTM D2196, "Standard Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield type) Viscometer" may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

Custodian:  
Army - AT

Preparing Activity:  
Army - AT

(Project 8010-0144)