



# TECHNICAL DATA SHEET

## TECHNICAL DATA SHEET MIL-C-450C BITUMINOUS COATING

### PRODUCT DESCRIPTION:

A bituminous, asphalt solvent type coating for application on the interior surfaces of ammunition items such as bombs, shells, rockets, and mines prior to being filled with explosives.

### TYPICAL PROPERTIES:

- (1). **COLOR**..... Black
- (2). **SHELF LIFE**..... 1 Year From Date of Mfg
- (3). **DRYING TIME:**
  - TYPE I: Tack Free - Within 30 Minutes
  - TYPE II: Tack Free - Within 1 Hour
  - TYPE III: Tack Free - Within 8 Hours

\* Drying times will be affected by ambient or substrate temperatures, excessive film build thicknesses, or insufficient ventilation.

- (4). **SOLIDS (WEIGHT)** :..... 45 - 55%
- (5). **VISCOSITY:** (#4 Ford Cup)
  - TYPE I: 15 - 28 Seconds
  - TYPE II: 120 - 190 Seconds
  - TYPE III: 150 - 250 Seconds

### APPLICATION AND REDUCTION:

Mix thoroughly before use. Thin with either TT-N-95 or TT-X-916 Xylene (Xylol) for brushing or spraying up to 1 pint per gallon or as needed for proper flow and atomization. May be used directly on properly prepared, clean, metal substrates. For conventional spraying, a minimum 3/8" I.D., 50' maximum material hose and .086" I.D. fluid tip and appropriate air cap is recommended. For airless spraying, a minimum 3/8" I.D. material hose and .023-.035" spray tip size, 2300-2500 output psi, is recommended. For brushing, use a medium bristle brush. For rolling, use a lambskin or equivalent quality cover with a short nap (1/4" - 3/8")