



## MIL-DTL-450D Bituminous Coating Technical Data Sheet

**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.

### **Physical Properties:**

<b>Color:</b>	Black
<b>Shelf Life:</b>	1 Year from date of manufacturing
<b>Drying Time:</b>	
<b>Type I Tack Free:</b>	Within 30 Minutes
<b>Type II Tack Free:</b>	Within 1 Hour
<b>Type III Tack Free:</b>	Within 8 Hours
<b>Solids (Weight):</b>	45 – 55%
<b>Viscosity:</b>	
<b>Type I:</b>	15 - 28 Seconds
<b>Type II:</b>	120 – 190 Seconds
<b>Type III:</b>	150 – 250 Seconds

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

**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")

### **PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN.  
USE WITH ADEQUATE VENTILATION.  
AVOID CONTACT WITH SKIN AND EYES.  
READ MATERIAL SAFETY DATA SHEET BEFORE USING.  
KEEP FROM FREEZING

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