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# W-SERIES POLYURETHANES

This line of urethane coatings are single component water base finishes for application to metal, plastic, and wood surfaces. Exhibiting an excellent balance of chemical resistance and physical properties, cured films remain tough and durable for both interior and exterior applications. A practical answer to the pot-life and application problems of high solids two component urethanes, Spectrum's W-Series Polyurethane has a low V.O.C. of between 1.5 to 2.0 lbs./gal., depending upon color and is non-flammable. The color and gloss of this coating are custom formulated to meet customer specifications.

## ADVANTAGES

No Pot-life Restrictions - Low V.O.C. - Suitable for Normal Urethane Applications  
RFU, No Thinning - Durable Interior/Exterior Performance - No Isocyanate Hazards  
Easy Spray Application for Both Smooth and Spatter Coats - Cleans Up with Water

## PERFORMANCE CHARACTERISTICS

PENCIL HARDNESS: HB - H

FLEXIBILITY: 1/4" Mandrel; Pass

IMPACT RESISTANCE:(Dir./Rev.):100/80

COVERAGE: 1 Mil DFT, No Loss,  
450 Sq. Ft./Gal.

SHELF LIFE: 6 Months, Do Not Freeze

DRY TIMES: 77 F, 50% Relative Humidity

To Touch: 30-60 Minutes

To Handle: 1-4 Hours

Dry Hard: 24 Hours

Full Cure: 10 Days

AIR QUALITY: As supplied, 1.5 - 2.0 lbs./gal.

ADHESION: Cross Hatch, Tape Pull Test:

Steel: 100% Aluminum: 100%

Brass: 100% Fiberglass: 100%

ABS: 100% Lexan: 100%

FILM PERFORMANCE: 1 Mil DFT / B-1000 Steel:

SALT SPRAY RESISTANCE: 100 Hours

- 1/8" Scribe Creep

- Trace Blistering, No Rusting

HUMIDITY RESISTANCE: 100 Hours

-No Rusting or Blistering

Q.U.V. WEATHERING: 500 Hours

-No Yellowing, Blistering, Rusting

-No Loss Of Gloss

WATER IMMERSION:24 Hours

-No Loss of Adhesion or Blistering

## ***APPLICATION INFORMATION***

***THINNING:*** No thinning required for spatter or smooth coat.

***APPLICATION:*** Application of these coatings may be achieved with any conventional air spray equipment, except electrostatic. Recommended pressures are as follows:  
***Pressure Pot:*** 65 psi Line Pressure, 6-12 psi Pot Pressure, 30-45 psi Atomizing Air for smooth coat with Devilbiss MBC #30 Air Cap, FF Fluid Tip.  
***Suction Feed:*** 30-40 psi air, adjust paint for appropriate pattern.  
***For Spatter Coat:*** Reduce atomizing air and adjust pot pressure and paint flow to achieve desired spatter size and pattern.  
Dry films should be in the range of 1.5 - 2.5 mils to obtain listed performance characteristics.  
Clean up may be done with a warm water rinse, followed by a drying rinse with isopropyl alcohol, or acetone.

## ***SAFETY & HANDLING INFORMATION***

***-FIRE & EXPLOSION DATA:*** In case of fire use foam, CO<sub>2</sub>, or dry chemical firefighting apparatus. The use of self-contained breathing apparatus is recommended for firefighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.

***-HEALTH & FIRST AID:***

***-EYES:*** Safety glasses, chemical goggles, and/or face shields are recommended to safeguard against potential eye contact. If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes. Seek medical attention.

***-SKIN:*** The use of impermeable gloves is advised to prevent skin irritation on sensitive individuals. If this product comes in contact with the skin, wash with a mild soap and large quantities of water. Seek medical attention if irritation persists.

***-INHALATION:*** The use of respiratory protection depends on vapor concentrations above the time-weighted TLV; use a NIOSH approved cartridge respirator or gas mask. If breathing difficulties, dizziness, or lightheadedness occur when working in areas with high vapor concentrations, seek fresh air. If difficult breathing continues, administer oxygen until medical assistance can be rendered. If breathing stops, begin artificial respiration and seek medical attention.

***-HANDLING:*** General mechanical ventilation may be sufficient to keep vapor concentrations within specified TLV ranges. If general ventilation proves inadequate, supplemental local exhaust may be required. Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation, and sufficiently ground containers when transferring material. Dispose of this product in accordance with applicable local, county, state, and federal regulations.

## ***PRODUCT LIMITATIONS***

All Spectrum Coatings Water Base products should be kept from freezing. Do not mix these coatings with any other products other than those recommended by Spectrum Coatings Laboratories.  
Please consult the MSDS before using or disposing of these materials.