



V-2052 HIGH SOLIDS FLAT CLEAR URETHANE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: V-2052 High Solids Flat Clear Urethane is a two component urethane coating with excellent gloss and color retention. Cures to a very tough, abrasive resistant film with exceptional exterior durability, chalk resistance, color stability, and long term gloss retention. Excellent resistance to atmospheric exposure. Highly resistant to abrasion, impact, and chemicals. Air dry or force dry curing. Material can be factory adjusted for gloss differences and/or texturing capabilities. Texturing minimizes surface irregularities, and provides 3-dimensional appearance. Offered in a full range of colors or customer specific. Non-photo chemically reactive. Do not recommend using this product as a clear itself, for tinting purposes only.

PRODUCT LIMITATIONS:

1. Must be catalyzed at a 3-1 ratio
2. Do not hot spray. Heat shortens pot life
3. Dip, flow coat, and brushing are not recommended
4. Do not vary catalyst ratio. The catalyst ratio has been established for optimum hardness, flexibility, gloss, chemical, and solvent resistance.
5. Protect urethanes, and activators from water and moisture.

INTENDED USES: V-2052 is a tint base topcoat for primed structural and miscellaneous steel. Its primary use is a fast dry high performance coating for corrosive environments.

SURFACE PREPARATIONS: For best results it is important that all surface contaminants, such as moisture, oil, dirt, rust and mil scale be removed before application. V-2052 can be applied to either blasted, hand or power tool cleaned steel. A minimum of SSPC-2 hand tool cleaning required.

PHYSICAL INFORMATION

COLOR: WIDE RANGE OF COLORS / TINT BASE ONLY

GLOSS: FLAT

SOLIDS BY WEIGHT: 70%

RECOMMENDED DRY FILM THICKNESS: 1.5-2.0 MILS DFT

THEORETICAL COVERAGE: 400-500 SQ FT PER GALLON

METHOD OF APPLICATION: AIRLESS SPRAY, AIR SPRAY, BRUSH AND ROLLER

DRYING TIME @ 72 F

TO TOUCH: 20-30 MINUTES

TO HANDLE: 45-60 MINUTES

TO RECOAT: 12 HOURS

REGULATORY DATA

FLASHPOINT: 80 F

PRODUCT WEIGHT: 10.65 LBS

MATERIAL VOC: 3.20 POUNDS PER GALLON / 384 GRAMS PER LITER

COATING VOC: 3.44 POUNDS PER GALLON / 412 GRAMS PER LITER



APPLICATION

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MIXING: This material is a one-component coating and should always be mixed thoroughly with a power agitator before application.

MIX RATION: Not applicable

WORKING POT LIFE: Not applicable

AIRLESS SPRAY: Suitable

Tip Range 15-17 thou (0.38-0.43mm)
total output fluid pressure at spray tip not less than 2,500 P.S.I.

**AIR SPRAY: Suitable
(Pressure Pot)**

Gun	DeVilbiss	MBC or JGA
Air Cap	704	
Tip	E	

BRUSH: Suitable

Typically 1.5-2.0 mils can be achieved. Care should be taken to avoid under application.

ROLLER: Suitable

Typically 1.5-2.0 mils can be achieved. Care should be taken to avoid under application.

THINNER:

Do not thin more than allowed by local environmental legislation when applicable.

CLEANER:

WORK STOPPAGES: Thoroughly flush all equipment with _____. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or viscosity increase of the material after storage. Material should be filtered prior to use.

CLEAN UP: Clean all equipment immediately with _____. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations legislation.

SYSTEM COMPATIBILITY:

The following _____ are recommended for _____

SHIPPING & STORAGE

NUMBER OF COMPONENTS:

PACKAGED IN: 55-Gallon Drums, 5 Gallon Pails, and 1 Gallon Cans.

STORAGE TEMPERATURE: Minimum 20 F. Maximum 110F