

V-2054 HI SOLIDS SATIN CLEAR URETHANE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: V-2054 Hi Solids Clear Satin 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.

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-2054 is a 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 mill scale be removed before application of the primer. Can be applied to either blasted steel, also hand or tool cleaned steel. A minimum of SSPC-2 hand tool cleaning.

PHYSICAL INFORMATION

COLOR: CLEAR TINT BASE ONLY

GLOSS LEVEL: SATIN

SOLIDS BY WEIGHT: 62%

RECOMMENDED DRY FILM THICKNESS: 1.5-2.0 MILS

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: 8.77 LB

MATERIAL VOC: 3.35 POUNDS PER GALLON / 402 GRAMS PER LITER

COATING VOC: 3.35 POUNDS PER GALLON / 402 GRAMS PER LITER

APPLICATION

MIXING: This material is a two-component coating and should always be mixed thoroughly with a power agitator before application. The activator for this product is V-2001.

MIX RATIO: 3 to 1

WORKING POT LIFE: 8 Hours @ 72F

AIRLESS SPRAY: Recommended

Tip range 17-21 thou (0.38-0.43 mm)
Total output fluid pressure at spray tip not less than 2,500 p.s.i.

AIR SPRAY: Recommended
(Pressure Pot)

| | | |
|---------|-----------|------------|
| Gun | DeVilbiss | MBC or JGA |
| Air Cap | 704 | |
| Tip | E | |

BRUSH: Suitable

Typically 3-6 mils can be achieved. Care should be taken to avoid under application.

ROLLER: Suitable

Typically 3-6 mils can be achieved. Care should be taken to avoid under application.

THINNER: Xylene/Xylol

do not thin more than allowed by local Environmental legislation.

CLEANER: Xylene/Xylol

WORK STOPPAGES: Thoroughly flush all equipment with xylene. Do not allow material to remain in hoses, gun, or spray equipment. 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 xylene. 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 primers are recommended for this topcoat.

Universal Primers

Epoxies Primers

SHIPPING & STORAGE

NUMBER OF COMPONENTS: 2

PACKAGED IN: 5-Gallon Pails, and 1 Gallon Cans

STORAGE TEMPERATURE: Minimum 20 F. Maximum 110 F.

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