
LV HS SURFACER/SEALER

DESCRIPTION: LV HS Surfacer/Sealer is a Low VOC, High Solids urethane surfacer/sealer. Depending on the mixing ratio utilized, LV HS Surfacer/Sealer can be used as either a high build primer surfacer or wet-on-wet primer sealer.

PRODUCT & ADDITIVES:

PRODUCTS: LV HS Surfacer/Sealer
HARDENERS: LV HS Surfacer/Sealer Hardener
ACTIVATORS: —LV HS Surfacer Activator
—LV HS Sealer Activator

ADDITIVES: —For application over plastic parts that have been treated, the use of Lesonal Flex Additive in LV HS Surfacer/Sealer is recommended. See information in this TDS.

BASIC RAW MATERIALS:

LV HS Surfacer/Sealer: acrylic resins
LV HS Surfacer/Sealer Hardener: polyisocyanate resin
LV HS Surfacer Activator: activated solvents
LV HS Sealer Activator: activated solvents

SUITABLE SURFACES (MIXTURE A SURFACER):

LV HS Surfacer/Sealer can be applied over:
—Existing finishes, degreased and sanded with #P220 to #P320 grit paper dry.
—Any premium polyester bodyfiller sanded with #P180 to #P220 grit dry.
—Steel, degreased and sanded with #P80 then #P120 grit dry.
—Lesonal Epoxy Sealers and Self-Etching Primer.
—Fiberglass gelcoat cleaned and sanded with #P180 grit dry.

NOTE: For large areas of bare metal, one coat of Lesonal Self-Etching Primer or Lesonal Epoxy Primer Sealer is recommended for maximum corrosion resistance.

SUITABLE SURFACES (MIXTURE B WET-ON-WET):

LV HS Surfacer/Sealer:
—Existing finishes, degreased and sanded with #P360 to #P400 grit paper dry or #P500 to #P600 grit wet.
—Steel, degreased and sanded with #P80 then #P120 grit dry.
—Fiberglass gelcoat, free of release coat, degreased and sanded with #P360 grit dry.
—Grey Urethane Surfacer sanded with #P320 to #P400 grit dry or #P500 to #P600 grit wet.
—Lesonal Epoxy Sealer and Self-Etching Primer.

NOTE: Although LV HS Surfacer/Sealer will provide adequate adhesion and protection when applied directly over bare metal, for large areas of bare metal, one coat of Lesonal Self-Etching Primer is recommended for maximum corrosion resistance.

LV HS SURFACER/SEALER

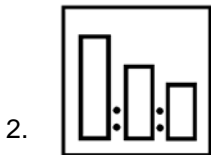
APPLICATION: Mixture A: As a primer surfacer



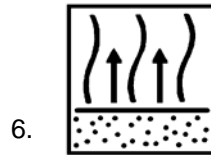
Contains acrylic resins and other ingredients. When mixed, also contains isocyanates.



3–4x1
HVL'P Siphon
0.071"–0.087" (1.8–2.2 mm)
HVL'P Gravity
0.055"–0.067" (1.4–1.7 mm)
Max 10 psi (max 0.8 bar)



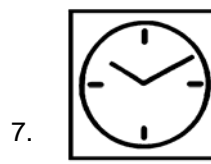
4:1:1
LV HS Surfacer/Sealer
LV HS Surfacer/Sealer
Hardener
LV HS Surfacer Activator



5–10 minutes at 70°F (20°C)



Use The Lesonal Measuring Stick #3 (4:1:1).



3 hours at 70°F (20°C)
30 minutes at 140°F (60°C)



Stir thoroughly

MIXING RATIO: Mixture A: As a surfacer

4 parts by volume of LV HS Surfacer/Sealer
1 part by volume of LV HS Surfacer/Sealer Hardener
1 part by volume of LV HS Surfacer Activator

FLEXIBLE PARTS: As a primer surfacer for flexible parts, mix 4 parts of LV HS Surfacer/Sealer to 1 part of Flex Additive first, (3:1 for soft parts) then add the appropriate hardener and reducer at a 4:1:1 ratio.

NOTE: Do not use Lesonal Accelerator in LV HS Surfacer/Sealer.

SPRAYING VISCOSITY:

Mixture A: 15–16 sec. DIN cup #4 at 70°F (20°C).

POT LIFE:

Mixture A: When mixed, 45 minutes at 70°F (20°C)

APPLICATION METHOD:

Mixture A: Spray two, three or four single wet coats, allowing for a flash-off time of 5–10 minutes between coats (depending on temperature and film thickness applied).



LV HS SURFACER/SEALER

**SPRAYING
VISCOSITY:**

Mixture B: 14–15 sec. DIN cup #4 at 70°F (20°C).

POT LIFE:

Mixture B: When mixed, 1 hour at 70°F (20°C).

**APPLICATION
METHOD:**

Mixture B (wet-on-wet): Spray one single wet coat. On sanded through areas, first apply one thin coat, flash for 5-10 minutes, then apply one single wet coat, allowing for a flash-off time of 15 minutes prior to topcoat (depending on temperature and film thickness applied).

DRYING TIME:

When Mixture B is used (wet-on-wet), LV HS Surfacer/Sealer can be recoated wet-on-wet after 15 - 20 minutes.

**FILM
THICKNESS:**

1.2–1.4 mils per single wet coat.

DE-NIB:

15 minutes at 70°F (20°C)

NOTE:

If heavy sanding becomes necessary, this may be done after 6 hours at 70°F (20°C) or 45 minutes at 140°F (60°C).

**SPRAY GUN
& PRESSURE
MIXTURE A:**

PRIMER SURFACER:

	Fluid Tip	Spraying Pressure
HVLP Siphon	0.071"–0.087" (1.8–2.2 mm)	max. 10 psi (max. 0.8 bar)
HVLP Gravity	0.055"–0.067" (1.4–1.7 mm)	max. 10 psi (max. 0.8 bar)

**SPRAY GUN
& PRESSURE
MIXTURE B:**

PRIMER SEALER:

	Fluid Tip	Spraying Pressure
HVLP Siphon	0.071"–0.087" (1.8–2.2 mm)	max. 10 psi (max. 0.8 bar)
HVLP Gravity	0.051"–0.059" (1.3–1.5 mm)	max. 10 psi (max. 0.8 bar)



LV HS SURFACER/SEALER

RECOATABILITY: Mixture B: As a wet-on-wet primer sealer, at 70°F (20°C) LV HS Surfacers/Sealer can be recoated with Lesonal Polyurethane Topcoats, Lesonal 1K, Lesonal Basecoat SB up to 1-1/2 hours. After these stated dry times, sanding is necessary before application of topcoat.

COVER RATE: Mixture B: 169 sq. ft./liter of unmixed paint at a film thickness of 1 mil.

STOCK KEEPING:

COLOR: Grey

CONTAINER SIZE: 1 gallon (3.785 lt)

SHELF LIFE:

LV HS Surfacers/Sealer:	12 months at 70°F (20°C) if stored unopened.
LV HS Surfacers/Sealer Hardener:	6 months at 70°F (20°C) if stored unopened.
LV HS Surfacers Activator:	12 months at 70°F (20°C) if stored unopened.
LV HS Sealer Activator:	12 months at 70°F (20°C) if stored unopened.

SAFETY ASPECTS:

READY TO SPRAY VOC:

Mixing Ratio:			
4:1:1	2.1 lb/gal	250 g/liter	
4:1:1+10%	2.8 lb/gal	336 g/liter	

NOTICE: Do not handle until the Material Safety Data Sheets have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all chemicals with which they come in contact. The manufacturer recommends the use of an air-supplied respirator when exposed to vapors or spray mist.