



H.B. Fuller



ROYAL
ADHESIVES & SEALANTS

Silaprene®

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TECHNICAL SALES BULLETIN

Silaprene®

HAPs FREE Sealant DC12781

Silaprene HAPs FREE Sealant DC12781 is an exceptional one-part product that combines ease of application, versatility of use, high ultimate strength, permanent bonds and long service life. DC12781 is a high quality, HAPs FREE elastomeric sealant that provides superior adhesion to a variety of surfaces.

DESIGNED TO BOND

1. All kinds of metal, including galvanized
2. Wood, particleboard and plywood.
3. Rubber, concrete, masonry and glass
4. Thermoplastics, such as ABS, and polyolefins
5. Thermoset plastics like phenolic, polyurethane, polyesters and epoxies.
6. Fiberglass and other fiber reinforced plastics

PHYSICAL CHARACTERISTICS

1. HAPs Free
2. Fast drying with quick tack free times
3. Permanently resilient - resists vibration and stress caused by temperature cycling
4. Outstanding resistance to water, most industrial chemicals, acids and bases
5. Resists cracking, chipping and peeling
6. Requires no priming
7. Smooth, creamy texture
8. Easy to gun - colored versions can be finger tooled.
9. Paintable
10. Exceptional UV resistance and weather ability
11. Forms a tight, long-lasting seal to most surfaces
12. Shelf life: 12 months when stored below 80° F

PREPARATION OF SUBSTRATES

Surfaces to be bonded should be cleaned of all dust, oils or other contaminants. A solvent wipe is often adequate. Bonds to rigid surfaces are usually improved by a solvent wipe followed with light abrasion (180 grit), and another solvent wiping to remove abrasive residue. Dry surfaces thoroughly before applying adhesive.

TYPICAL PROPERTIES

Color	Clear
Base	Block Copolymer
Solvents	Mineral Spirits/ Aromatic 100
Solids	55%
Viscosity	Paste extrusion grade
Weight/gallon	7.4 pounds
Specific Gravity	0.89
Temp. Range	-40°F to 200°F

METHOD OF APPLICATION

HAPs FREE Sealant DC12781 can be applied by ordinary caulking guns or pressure pumping equipment. Pumping equipment should be of the follower-plate type and have a pump ratio of at least 40:1. Cox, Aro, Binks, DeVilbiss, Graco and Lincoln all produce suitable equipment for handling this material.

Silaprene HAPs FREE Sealant DC12781 is formulated for room temperature curing, and curing is initiated when a majority of the solvent has been evacuated from the bond line. Strength build-up is very fast in the early stages to give high holding power, with continued strength build-up over time.

CLEANER AND THINNER

Uncured material can be cleaned up with VMP Naphtha, Heptane, and Mineral Spirits. Thinning is not recommended. If a thinner product is deemed necessary for your application, contact your Royal Adhesives & Sealants salesman.

PRECAUTIONARY DATA

This product is flammable. Vapors may form an explosive mixture with air. Precautions should be taken to keep product away from fire, sparks, motors and other sources of heat or flame. Turn off or deactivate any electrical equipment or sources of ignition. Adequate ventilation is required to keep vapor concentrations below the Threshold Limit Value.

- For professional or industrial use only
- Customer should determine 'fitness for use'
- Read the container label and the Safety Data Sheet carefully before use
- Keep away from children
- Keep container closed when not in use
- Store closed container under 80° F

DISPOSAL INFORMATION

Do not reuse container or remove label. Safely dispose of container and contents in accordance with applicable Federal, State and Local regulations

TYPICAL ENVIRONMENTAL PROPERTIES

UV Rating	Little to no effect, 500 hours/QUV-A
Slump Resistance	<0.5", 30 min. @ RT