

**BLUESIL™ V- 06**

Distributed By  
 Freeman Manufacturing & Supply Co.  
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**Adhesion Promoting Primer**

**Description** **BLUESIL™ V-06** primer is a dilute solution of a reactive silicone resin in naphtha used as an adhesion promoter with Bluestar Silicones aerospace and industrial grade materials.

**Applications**

- Bonding abradable seals in jet aircraft engines
- Bonding industrial grade silicones to substrates
- Bonding vanes in jet aircraft engines

**Typical Properties****AS SUPPLIED**

• <b>Chemical Type</b>	Moisture reactive silicone resin in naphtha
• <b>Appearance</b>	Clear or red liquid
• <b>Consistency</b>	Very pourable
• <b>Specific Gravity</b>	0.77
• <b>Viscosity</b> , cps (mPa's)	1
• <b>Flash Point</b> , Tag Open Cup	20.4°C (69°F)

Please note: The typical properties listed in this data sheet are not intended for use in preparing specifications for any particular application of BLUESIL™ silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

**Instructions for use**

1. Thoroughly clean and degrease the substrate surface to be primed by solvent cleaning with a non-polar solvent.
2. Rinse all cleaning agents off the substrate surface with a polar solvent (i.e.: acetone or methyl ethyl ketone).
3. Bluestar Silicones primers may be applied by dipping, brushing, wiping, or spraying. In most cases a thin film of primer will provide the best adhesion. With **BLUESIL™ V-04** and **BLUESIL™ V-06** primers, the correct thickness should result in a light chalk-like film. A pinkish tint will be seen with the red versions. An excessive chalky layer should be avoided. Use the color or chalky appearance as an indicator to roughly estimate the thickness of the primer coating. With **BLUESIL™ V-09** primer, the applied film will cure to a smooth, resinous state; no chalking will occur. The coating should be free of all foreign matter such as lint, dust, or dirt. Unsized cheesecloth is recommended when wiping primer on a substrate.
4. Allow applied primer coating to cure by air drying for 60 to 90 minutes at room temperature, preferably at 50-60% relative humidity. If used in a low humidity environment, longer drying time will be required. The best method of determining drying time for a specific application is by experimentation.
5. Apply mixed sealant/compound and cure according to recommended cure schedules. Heat curing provides the best adhesion.

**Storage and shelf life**

**BLUESIL™ V-06 CLEAR** when stored in its original unopened packaging has a shelf life of eighteen (18) months from date of manufacture. Shelf life of **BLUESIL™ V-06 RED** is twelve (12) months from date of manufacture. Primers should be kept in a closed container to avoid pickup of moisture, or loss of solvent during storage.

**DO NOT USE PRIMER IF IT IS CLOUDY, OR THERE IS PARTICULATE MATTER FLOATING IN, OR ON THE BOTTOM OF, THE CONTAINER.**

**Safety**

Please read the container labels for **BLUESIL™ V-06 CLEAR** or consult the Material Safety Data Sheet (MSDS) before handling for safe use, physical and health hazard information. The MSDS is not included with the product packaging, but can be obtained by contacting Bluestar Silicones at 866-474-6342 or consult your Bluestar Silicones representative.

**Packaging**

**BLUESIL™ V-06** is available in 340 grams and 3 kg containers.

BLUESIL™ is a Trademark of *Bluestar Silicones*



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#### Warning to users

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