

CS 9903

PRIMER FOR SILICONE COATINGS

Technical Data Sheet

Description

CS 9903 primer was originally designed to be used as a metal treatment in conjunction with an epoxy-based ablative resistant coatings. However, the material is also effective as a primer for bonding room temperature vulcanizing silicones to various substrates. Besides metals, CS 9903 can be used to prime silicones (such as CS 3802 and CS 3808) to a number of other rigid surfaces, such as glass, epoxy, and polyesters.

- Single component liquid primer
- Bright pink for visibility
- Room temperature drying
- Low viscosity fluid easily applied by brushing, dipping, spraying or wiping with a lint-free cloth CS 9903 was designed to MIL-P-47215 and meets its requirements; there is no QPL. For information on other qualifications or the availability of modified products, contact Sales.

The following technical information and data are typical for the material but should not be used for specification or acceptance purposes. Testing was performed in accordance with MIL-P-47215 or AS5127/1.

Surface Preparation

To obtain good adhesion, surfaces must be free of all traces of oil, wax, grease, dirt or other contaminants. A progressive cleaning process is recommended. Use an appropriate solvent and lint-free clothes. Pour solvent on the cloth to keep the solvent supply clean. Clean a small area at a time and wipe the surface dry with a second clean cloth. See SAE AIR 4069 for additional information on surface preparation. For Socomore's full line of solvents and wipes used for aerospace sealant preparation, and their customer approvals, visit www.Socomore.com.

Application

Apply CS 9903 primer to the freshly cleaned surfaces as quickly as practical, taking care to ensure a thin, even coat. Remove enough primer from the container for immediate use, but do not pour any excess back into the original container.

CS 9903 should be applied in a uniform thickness of approximately 0.5 – 1.0 mil (13 – 25 microns); this should yield a resulting pink color. Lack of a pink color indicates that the film is too thin; a red color indicates that it is too thick. A

second coat may be required for porous surfaces.

Allow one hour of dry time at 77°F (25°C) before applying the coating. The primer may be left to dry for up to 24 hours, but the surface should be covered to prevent contamination.

CS 9903 needs some moisture to dry properly. A minimum of 25% humidity should be sufficient.

Typical Properties

At 77°F (25°C) and 50% relative humidity

Color	Bright pink
Specific gravity	0.84
Viscosity (Brookfield #2 at 2 rpm)	< 100 cps (< 0.1 Pa·s)

Storage

Unmixed CS 9903 has a shelf life of at least 6 months from date of manufacture when stored below 80°F (27°C) in the original, unopened package.

Note: The appearance of a light precipitate in CS 9903 does not harm the product. Do not attempt to dissolve the precipitate, but instead decant the clear primer from the top of the container.

Clean up

Promptly clean tools and surrounding area with solvent such as DS 108, DIESTONE DLS, DIESOTNE DLV to avoid staining.

Packaging

CS 9903 is available in sizes from ¼ pint to one gallon.

Health and Safety

Before using this material, read and understand the Safety Data Sheet (SDS) as it includes information on health, physical, and environmental hazards, as well as handling precautions and first aid recommendations. SDSs are available upon request.

Emergency Contact Chemtrec 800-424-9300
Outside North America 703-527-3887
Keep out of the reach of children
For industrial use only

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This technical data sheet replaces and cancels the previous one.

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