

Approvals and conformities

MIL-SPECS	TT-P-1757B TY. I & II, CL C Colors Y&T (Yellow & Green)
MIL-SPECS	TT-P-1757B TY. I & II, CL N, Colors Y&T (Yellow & Green)

SOCOGLAZE PT-522 is a general-purpose, rust-inhibitive, alkyd primer. It is intended for use over metals that are bare, scuffed, sanded, lightly rusted, abrasive blasted, and previously painted surfaces while showing excellent anti-corrosion properties. The primer chemically etches into the surface to provide exceptional adhesion and durability. Additionally, moisture in the air causes the zinc chromate to react with the metal surface, forming a passive film that prevents corrosion. Although this primer is intended for metals, it may be applied to wood, composite, and concrete surfaces. This is not resistant to all solvents, i.e. MEK and Acetone.

SOCOGLAZE PT-522 exists in 2 versions and 2 colors

- Zinc chromate Yellow meets TT-P-1757B TY. I & II, CL C, Color Y
- Non-chromate Yellow meets TT-P-1757B TY. I & II, CL N, Color Y
- Zinc chromate Green meets TT-P-1757B TY. I & II, CL C, Color T
- Non-chromate Green meets TT-P-1757B TY. I & II, CL N, Color T

USES

Please, consult us regarding SOCOMORE solutions for:

- Surface preparation (SOCOCLEAN, DIESTONE & DS ranges),
- Functionalized coatings (SOCOGLAZE, AEROGLAZE, CHEMGLAZE, PRIAM, LBYH ranges),
- Surface treatment (SOCOCLEAN & SOCOSURF ranges),
- Adhesion promotion (SOCOGEL & PREKOTE ranges)
- Chemical stripping (SOCOSTRIP & SPC ranges)

DIRECTIONS FOR USE

Surface Preparation Instructions

ALL SURFACES: Remove all dirt, grease, oil, salt, and chemical contaminants by washing the surface with a suitable detergent cleaner/ degreaser. Rinse thoroughly with water. It is recommended that a final rinse or wipe with solvents IPA, Acetone, or MEK. Rinse/wipe thoroughly and allow to fully dry. Remove all remaining dust and debris by lightly wiping the surface with a tack rag or cheesecloth if necessary. All surfaces must be dry at the time of application.

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove all loose rust, mill

scale, and deteriorated previous coatings. Abrasive blasting to a minimum Commercial Grade (SSPC-SP-6, NACE 3) with a 1–2 mil (25–50) surface profile is recommended for optimal performance. Abrasive blast-cleaned steel requires two coats of primer. Scuff the surface with scotch-brite pads.

- For additional protection, we recommend applying **SOCOGLAZE PT-402 Acid Etching Primer** prior to the Zinc Chromate Primer.

Mixing Instructions

Mix the paint on a shaker for 5 – 10 minutes for optimal results.

Admix by volume:

1. If it is necessary to reduce/thin the primer, start by adding 1 part of Acetone or **SOCOGLAZE PT-1022X66** or **SOCOGLAZE PT-1003TYIII** to 8 parts primer by volume. More may be added for individual applications. Do not exceed more than 1 part primer to 1 part reducer.
2. Mix only the amount that can be used in one day.

Application

This product can be applied using HVLP systems. Conventional spray equipment can also be used, but have not been verified. Make sure pots, guns, and lines are purged and cleaned before each use.

1. Mix both paint and reducer thoroughly and filter/strain before spray application. *NOTE: It is not recommended to strain flat/matte coatings.*
2. Always air-blow and tack-wipe the surfaces to be painted. Aircraft should be grounded to prevent static.
3. Best application results: apply 2 coats: 1 fog/tack coat & 1 full coat.
4. Recommended Dry Film Thickness is 0.6-0.9 mils.

NOTE: Application of SOCOGLAZE products requires the use of all OSHA-approved safety equipment, including proper ventilation. Additionally, PTI products require the recommended temperature/humidity conditions and film thickness ranges for optimal performance. For planes in hangars, the material, hangar, and aircraft skin temperatures should be no lower than 75 F / 25 C before, during, and after application.

Drying & Curing Schedule

Dry times are based on a dry film thickness between 0.6 - 0.9 mils (15-23 microns).

Air Dry: Allow applied coating to dry for at least 15 minutes before applying top coat. Primer dries dust free in 5 minutes and dries hard in 15 minutes. Times may vary depending on climate, temperature, and atmospheric conditions.

Always bring the coating to the “tack-free” stage before top coating.

Equipment Cleanup

Use clean Acetone, MEK or **SOCOGLAZE PT-1022X66** or **SOCOGLAZE PT-1003TYIII** for clean-up. Do not allow the material to dry or cure inside any equipment.

TECHNICAL CHARACTERISTICS

Coating Properties & Characteristics	
Characteristic	Value
Reducer	Acetone, SOCOGLAZE PT-1022X66 or SOCOGLAZE PT-1003TYIII
Recommended Dry Film Thickness	0.6 – 0.9 mil
Spray Viscosity	14 seconds, max #4 Ford
Coatings VOC	Approx 244.94 g/L

PRECAUTIONS FOR USE AND STORAGE

Storage

Shelf life is only applicable for materials stored in unopened and undamaged original factory-filled containers. Can be stored for 12 months when stored between 50 F-95 F (10 C-35 C). For more information regarding the danger of the product, please consult the product safety data sheet according to local regulations.. For professional use only.

This technical data sheet replaces and cancels the previous one.

The above details have been compiled to the best of our knowledge. They have, however, an indicative value only and we therefore make no warranties and assume no liability in connection with any use of this information, particularly if a third party's rights are affected by the use of our products. The above information has been compiled based upon tests carried out by SOCOMORE. All data is subject to change as Socomore deems appropriate. The data given is not intended to substitute for any testing you must conduct in order to determine the suitability of the product for your particular purposes. Pictures are not contractual. Please check your local legislation applicable to the use of this product. Should you need any further information please contact us.