

GLISTEN PC / A Brilliant Two-Component Clearcoat

Supplementary Instructions, Application Procedures, and Laboratory Test Results

IDEAL USES FOR GLISTEN PC

- ★ Protective coating on aluminum wheels
- ★ Chrome bumpers
- ★ Marine railings
- ★ Chrome or aluminum covers
- ★ Grills
- ★ Handles
- ★ Ornaments
- ★ Lights
- ★ Aluminum bumpers
- ★ Alloy boats
- ★ Alloy panels

PRODUCT DESCRIPTION: Glisten PC is a high-gloss, rock-hard, water-clear topcoat designed for spray or brush application over all metal surfaces, including **highly polished aluminum and chrome surfaces**. Glisten PC won't leave brushmarks, and will dry in less than 1 hour, but will take 3 or 4 days to reach maximum hardness. When Glisten PC is first dry to the touch, it will appear to be very soft. Avoid touching it for several days until it becomes hard and tough. Accidental contact could damage the surface before full cure has taken place. Like many other POR-15 coatings, Glisten PC is a moisture-cured coating, which means it's strengthened by exposure to moisture. It won't crack, chip, peel, or yellow, and is flexible as well.

Warning: Your can of Hardener/Activator is filled to the brim and is sealed with a screw-cap and a metal insert underneath the cap. Remove the insert carefully. Cover with a paper towel while prying it off to avoid accidental spillage or splash. Your Hardener/Activator is very sensitive to moisture and humidity, so try to open it in a dry area. Keep tightly capped when not in use.

APPLICATION PROCEDURES: Apply a minimum of 2 full coats for general auto use and a minimum of 3 full coats for marine use, plus a dustcoat or tack coat if you are spraying **GLISTEN PC**. You may apply **GLISTEN PC** with any type of brush you prefer, and it can also be rolled on. **GLISTEN PC** will flow out immediately, eliminating brush marks. First, lay down a covering coat and be careful to avoid runs. A second coat may be applied when the first coat is dry to the touch, usually 15 - 25 minutes later at 68°F (20°C), though the second coat may be left up to two (2) days longer before recoating without sanding. In temperatures below 64°F (18°C), drying times will be extended and consequently runs may be more likely, so to minimize this problem in colder temperatures, small items may be warmed with a heat gun, or perhaps air temperature could be raised for larger items. **GLISTEN PC** may be sprayed using 30 - 35 lbs pressure. Thin only with **Colorchrome Thinner** if necessary. **POR-15 SOLVENT** or lacquer thinner may be used for cleanup. You can thin **GLISTEN PC** up to 15%, but if you do, you may then need more coats to retain dry film thickness.

NOTE: when applying a 2nd or 3rd coat, surface tension between coats may increase and you can add more solvent to reduce the coating surface tension, thus allowing it to drop and flow out. **If you are unfamiliar with GLISTEN PC or the spraying of clearcoats, don't try to paint a large item; rather, we recommend that you mix up a small amount and test what you are trying to achieve in a small area first.** **SPECIAL NOTE:** **GLISTEN PC** will not reach maximum hardness nor will it perform as specified until it has cured for a minimum of four (4) days at an average temperature of no less than 64°F (18°C). Do not put alloy wheels, engine parts, or other stress-affected parts into use before the four (4) day cure time. Elevated temperatures will NOT speed up the cure.

POLISHED ALUMINUM

If surface to be coated is dirty or greasy, clean with **MARINE-CLEAN**, mixed at a ratio of 1 part **MARINE-CLEAN** to 15 parts warm or hot water. Use a sponge or soft cloth, wash the surface, then rinse well with water. If surface is relatively clean, just wipe it first with **POR-15 SOLVENT** before prepping with **AP 120**. **NOTE:** If the surface is clean, water will film across it rather than bead. After cleaning, use a polishing compound that will polish without scratching. We recommend **POR-15 ARTISAN METAL POLISH**, which we know works perfectly. **Note:** if this step is missed, cosmetic appearance/high gloss may be lessened or compromised unless your aluminum is already highly polished to your satisfaction. Next, spray on **AP 120**, and leave it on for two minutes, **NOT LONGER**, then wash off with water and permit to dry thoroughly. You are now ready to apply **GLISTEN PC**. Items to be coated should be at room temp. and not in direct sunlight. **ALWAYS WEAR PROTECTIVE GLOVES.** **NEW OR OLD UNPOLISHED ALUMINUM OR STAINLESS STEEL:** The object is to remove the oxides from the surface. You can treat the surface the same way as for polished aluminum, and for these metals you may wish to eliminate the polishing compound step. It is vital to wash away the **MARINE-CLEAN** residues afterward, because if this isn't done thoroughly, some residues may be trapped under the coating, causing bubbling at a later date. After washing, let air dry thoroughly.

WOOD

Wood finishes should be treated with UV protectant varnish, stain, or paint before applying Glisten PC as a final clearcoat. Glisten PC is a very hard, durable finish, but it will not keep wood from bleaching due to the rays of the sun.

LABORATORY TEST RESULTS

Because the main concerns for a clear topcoat is length of life and resistance to various atmospheric conditions, we have subjected GLISTEN PC to the following tests:

ASTM B-117 This test measures salt spray resistance

ASTM D-1654 This test measures adhesion retention after salt spray exposure

Taber Abrasion This test measures abrasion resistance, a crucial factor in determining the life of a coating.

SWARD Hardness

This test measures coating hardness against a "benchmark", in this case, 2-part epoxys.

In ASTM B-117 testing and ASTM D-1654 testing, GLISTEN PC was tested along with four well-known rust preventive primers: ZINC PHOSPHATE PRIMER, BARIUM METABORATE PRIMER, ZINC CHROMATE PRIMER, and ZINC RICH PRIMER. Test durations were set at 500 hours, 1000 hours, and 1500 hours in a condensing humidity 5% salt spray solution at 95°F (35°C). Products that withstand 500 hours in this test are considered to be good anti-corrosive coatings.

PRODUCT	500 Hrs	1000 Hrs.	1500 Hrs.	500 Hr Adhesion	1000 Hr Adhesion	Zinc Phosphate Primer
Pass	Fail	Not tested	90%	0.0%		
Barium Metaborate Primer	Pass	Pass	Fail	95%		2.0%
Zinc Chromate Primer	Pass	Pass	Fail	95%		90.0%
Zinc Rich Primer	Pass	Pass	Fail	95%		85.0%
Glisten PC	Pass	Pass	Pass	97%		93.0%

The TABER ABRASION TEST was conducted using a Taber Abrasion machine with CS-17 wheels and 1250 grams of pressure. After 500 cycles GLISTEN PC lost 20 mg. of weight while a standard two-component epoxy lost 23 mg.

Hardness was measured by a SWARD Hardness tester seven days after both products were applied to identical panels. The results are as follows: Two-component Epoxy -55, GLISTEN PC -52

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