



# GLISTEN PC

## APPLICATION INFORMATION

**Warning: Please read and understand these instructions thoroughly - failure to do so can result in premature coating failure and/or a big mess!**

**CONTAINS ISOCYANATES**

### **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 aluminium and chrome surfaces*. Glisten PC will not leave brush marks, 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 very soft. Avoid touching it for several days until 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 is strengthened by exposure to moisture. It won't crack, chip, peel or yellow and is very flexible as well.

**NOTE: Glisten and its hardener will absorb moisture if the cans are left open and the adhesion properties will be greatly reduced**

### **PRODUCT COMPOSITION**

Your Glisten PC purchase consists of two items: 1) a paint can, labelled Glisten PC, which is the basic clearcoat formulation: and 2) a smaller can, labelled Hardener/Activator. Mix the two products together (3:1 ratio, a mix of 4:1 can be used for longer cure times) by blending the two products together in a separate, resealable clean container, a clean glass jar works best. Stir the combined contents thoroughly. Ensure the coating is thoroughly mixed. This will allow the two components to blend and the molecules to link together properly.

**Warning:** Your can of Hardener/Activator is sealed tightly. Remove lid 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 your resin and hardener tightly capped when not in use — this is very important.**

### **PARTIAL MIXES**

You may mix partial quantities of Glisten PC for small jobs, and you may use any measuring device you happen to have around (coffee scoop, measuring spoons, cups etc.). All you have to do is follow this formula:

**Mix 1 part Hardener/Activator with 3 parts Glisten PC**

**You may use it as soon as it is thoroughly mixed with the Hardener/Activator.**

Glisten PC can remain useable for up to 2 — 3 hours, if the lid is kept on the mixed batch when not in use. Mix only what you need for the job and if you need more just repeat the mixing procedure. Do not paint out of the can unless it is all to be used in one application.

### **SURFACE PREPARATION**

If the surface to be coated is freshly polished - (ie. just a few hours old), then go straight to the directions for polished metals.

If the existing clear coat is badly damaged and oxidising eg. coating is flaky, yellowing, and generally braking down best method is to remove all old coatings and repolish to desired lustre.

If the existing coating is largely intact, not yellowing or breaking down, polish the damaged area and burnish the rest of the coating with fine paper or pad (1200 grade) or rubbing compound, which is available at most automotive paint stores. The surface can now be treated the same as a freshly polished surface.

#### ***Ferrous Metal (i.e. normal metal car parts)***

Need to be baked to rid them of moisture. If this is not done, spider rust will occur.

#### ***Polished Metals, including Aluminium, Brass, Copper, Chrome, Nickel and Silver.***

If the surface has not been polished within 24 hours it should have a quick buff or polish to remove any surface oxidation that may have occurred. The use of a polishing compound is advisable, not just a quick wipe with a clean rag. Note: if this step is missed coating adhesion will be substantially less. Wipe surface down to be coated with POR 15 Solvent. This will remove 90% of surface contamination. You can now apply Glisten PC at this stage, though if we chemically clean the item with AP120 we will have much higher adhesion levels, (generally at 30-40% improvement). This method is recommended in high abrasion / impact areas like Wheels, Bullbars, Fuel Tanks, Motorcycle covers and alike. AP120 can be applied by brush, sprayer or foaming gun. Aluminium and other metals must be at room temperature, eg. do not use outside in hot weather or in direct sunlight.

#### **AP 120 METAL PREP—THE KEY TO PERFECT ADHESION**

You may use a brush, sprayer or formatting gun. All metals should be at room temperature.

AP120 is a ready to use formulation, simply apply to aluminum surfaces either polished or new extruded for 1 minute.

**Do not allow to dry on.** Use a non-abrasive cleaning pad, then rinse well with plenty of clean water when finished.

Avoid hard water where possible. Surface to be coated must be bone dry before painting.

Use of a heat gun on castings is advisable, and in colder climates to speed up drying times and ensure the elimination of all moisture before painting. . Never attempt to use outside in hot weather or direct sunlight.

#### ***New / unpolished extruded Aluminum:***

The use of AP120 is ideal here, simply follow the instructions for AP120 and apply Glisten PC.

#### ***Old / heavily oxidized Aluminium / Stainless Steel:***

Again the trick here is to remove the oxides from the surface. Best method is an acid wash or repolish. Rinse well with water, note if this is not completed thoroughly acid residues may be trapped under the coating causing bubbling at a later date. Generally the use of acid wash is for experienced/ professional users only. This method is also recommended where very high level of adhesion is required eg. Stainless Steel can be solvent wiped then painted, or acid wash for higher adhesion.

#### ***Other metallic and Non Metallic Surfaces***

Including Steel, Cast Iron, Zinc, Tin, Lead, Plastics and Rubber. In many instances these surfaces can be painted, but special surface prep may be needed. Can be solvent wiped, then painted, or acid washed for higher adhesion.

#### ***Polished Brass:***

Surfaces should be freshly polished, then wiped down with POR 15 Solvent, and painted. This method is generally fine for taps, hand rail, fixtures and fittings. For items requiring high adhesion the use of AP120 is recommended.

#### ***Painted Surfaces:***

Clean surfaces with good quality wax and grease remover, or Marine Clean. (1:10 ratio) Burnish surface to be painted with 1200 wet dry or rubbing compound. Remove all compounds, dust and the like with new tack cloth or VERY clean rag, then paint.



### **Wood Surfaces:**

Wooden surfaces should be smooth and dry and have low moisture content. All existing failed coatings should have been removed. Because of Glisten PC's low surface tension some soft woods will need a sanding sealer applied first. Apply a single covering coat to seal the wood and allow to cure for 24 hours. Then lightly sand sealer and then apply Glisten PC. Sand between coats. General applications 2 to 3 coats minimum, marine applications 4-7 coats minimum.

### **APPLICATION**

#### **Brushing**

Apply a minimum of 2 full coats for general automotive use, and a minimum of 3 full coats marine use. Glisten PC may be applied with any type of brush you prefer. It can also be rolled. It will flow out immediately, eliminating brush marks. Lay down a medium covering coat, but be careful to avoid runs & bubbles. A second coat may be applied when touch dry, usually 25-30 minutes later at 20°C, though the second coat may be left up to 2 days before recoating without sanding. Best method: Apply at 2-3 hourly intervals. THINNING: Thin only with POR 15 Solvent, if required. POR 15 Solvent or lacquer thinners may be used for clean up. You can thin up to 30%, though you will need more coats to retain dry film thickness, use only POR 15 Solvent. Note, Thinning the 2nd or 3rd coat slightly reduces surface tension and allows Glisten PC to drop and flow out well. For best results apply in 18-24°C and less than 70% humidity.

**IMPORTANT NOTE:** *Though your finish may be dry to the touch in an hour or two, it will not be fully cured and consequently after 72 hours you may begin to handle it gently with care. Note: it is a good idea that you cover your freshly sprayed piece after spraying to keep dust from the surface. You should plan in advance how to do this. Clean plastic sheeting is good for this job, do not allow sheeting to touch your painted surface!*

**Spray Painting / Spray Booths.** Your spraying area should be dust free and clean with the appropriate exhaust equipment in place were applicable. High Pressure Guns 50 - 70 psi, HVLP guns 30 - 40 psi, but your own experience will quickly lead you to the proper adjustment. A POR 15 Moisture and Oils disposable filter should be used when spraying Glisten, as trace oils or moisture through your spray gun can ruin your job.

Thin 40 to 50% if required. Avoid temperatures over 28°C were possible.

Spray Booth, best temperature 22°C, 50% humidity, low air flow.

Remember thinning rates are a guide only, consider also the type of gun, air temperature and humidity.

Glisten PC can be cut with regular compounds if you have a run or imperfections, though it is best if you leave it for a week or 2 before cutting to make sure coating is hard (runs may take longer to fully cure due to added thickness).

Use an organic vapour particulate respirator, NIOSH/MSHA approved, when brushing and a positive pressure air-supplied respirator (TC 23C NIOSH/MSHA) when spraying and until vapours have cleared from work area.

If you are unfamiliar with Glisten PC or spraying clear coats, do not try to paint a large item first, we strongly recommend that you mix up a small amount and test what you are trying to achieve in a small area first.

**REMEMBER POOR PREPARATION = POOR ADHESION  
DO IT ONCE - DO IT RIGHT!**

**IMPORTANT:** Glisten PC contains isocyanates therefore use of full breathing gear is advised. We suggest you wear overalls and gloves and cover up as much of your skin as possible.

#### **Humidity Control when spraying Glisten PC.**

Humidity should be 60% or lower when spraying Glisten PC because the higher humidity may cause it to set up too quickly before it has a chance to flow out evenly, thus resulting in a wavy appearance. This is especially true in high-humidity northern climates in summertime. Whenever possible, spray in a humidity-controlled (air conditioned) environment. Best temperature 18°C – 24°C. If this is not possible apply Glisten PC in the morning when temperatures are at their lowest. Glisten PC can be applied successfully in higher humidity, but temperatures must be below 25°C. In temperatures over 30°C the humidity must be low. Avoid high humidity and high temperatures.

#### **Curing:**

Remember Glisten PC will not perform as specified until it has cured for a minimum of 4 days, at an average temperature of no less than 18°C, eg. do not put alloy wheels, engine parts and the like into service before the 4 day cure time.

Elevated temperatures will not speed up cure.

#### **Cutting:**

Glisten PC can be cut with regular compounds if you have a run or imperfections, though it is best if you leave it for a week or two before cutting to make sure the coating is hard (runs may take longer to cure due to their added thickness)

#### **IDEAL USES FOR GLISTEN PC**

As a protective coating on aluminium wheels, chrome bumpers; marine railings; chrome or aluminium covers; grills; handles; ornaments; lights; aluminium bumpers, alloy boats, alloy panels etc.

#### **FLAMMABLE, KEEP AWAY FROM OPEN FLAME:**

**Do not take internally.**

**FIRST AID:** If affected by inhalation of vapour or mist, remove to fresh air. If breathing difficulty persists, consult physician and have label information available.

**EYE CONTACT:** Flush with water for 15 minutes and call physician.

**SKIN CONTACT:** Wash with soap and water.

**If Swallowed:** DO NOT INDUCE VOMITING.. Seek Medical Attention.

**KEEP OUT OF REACH OF CHILDREN.**

Hazardous Ingredients: N-Butyl Acetate, CAS#123-86-4, Xylol, CAS# 1330-20-7, PM Acetate, CAS#1108-65-6

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