

Universal Clear

2.1 VOC

Product Numbers:

4100-1 Universal Clear (gallon) 4100-4 Universal Clear (quart)

4101-4 Fast Activator (quart)

4102-4 Medium Activator (quart)

4103-4 Slow Activator (quart)

This clear may be used on any job whether all-over or spot repair. Universal Clear has been used over the years on many Barrett Jackson and Pebble Beach cars as this clear was designed for restoration and street rod refinishing. Universal Clear is also user friendly and works very well in all types of production shops as this is truly one clear that will do it all. May be sprayed over any basecoat and over any activated single stage paint. For single stage paints let sit overnight before applying Universal Clear.

Mixing: 1:1

Mix 1 part Universal Clear to 1 part activator.

Order one quart of activator per quart of clear.

Activators may be mixed to create your own dry times.

900-4 Polar Accelerator may be added at 1-2oz per mixed quart of clear.

930-4 Urethane Retarder may be added at 1-3oz per mixed quart of clear. Up to 50 % can be added for the last coat or flow coat.

Spraying: Gun tip recommendation 1.3 – 1.5

Adjust the gun so you can lay the clear slick and you then have two choices:

Option 1: Spray the first coat wet then apply a second wet coat within 10-30 minutes for a two-coat production type job.

Option 2: For custom painting (3 coats or more) it is best to **wait exactly 30 minutes** between coats. (Refer to The Perfect Paint Job)

Flash Times:

The first coat of **Fast Activator** will flash in 2-5 minutes.

Depending on conditions the first coat of **Medium Activator** will flash in 3-8 minutes. The second coat will be a little slower.

The first coat of **Slow Activator** will flash in 5-10 minutes depending on temperature.

Activators may also be mixed to create your own cure times. This truly unique clear will fill 100 percent of a body shops needs year around without the need for a second clear.

Baking: Low temperature baking clear

No Purge! Bake for 10-15 minutes at 110-120 degrees. This obviously depends on air temperature and activator used. This clear is water spot free after one hour when air dried at 75 degrees.

Never bake this clear over 120 degrees!

Repairing:

After 90 minutes of air drying you should be able to make minor repairs without any problems. Keep in mind the type of base you use plays a big part in the curing of the clear and to be safe you should wait at least 4 hours to repair.

Buffing:

Universal Clear buffs great. Always let it sit overnight before buffing but small spots like a door can be buffed in **2 hours at 75 degrees with normal activator if needed**. Adjust buffing times according to your air temperature, activator used, and color used.

Spraying in Non-Baking Paint Booths:

The booth fan **MUST** be shut off within one minute after the overspray is gone!

We designed Universal Clear this way and that is one of the reasons this clear works so well in shops that do not have perfect painting conditions.

DO NOT spray this clear until all precautions have been read!

1. Never add any fisheye eliminators to this clear.
2. Clear can be accelerated but **only** with **SPI 900-4**.
3. We do not recommend ceramic coatings over any SPI product due to the extensive range of available products and lack of long-term testing.
4. Bake at temperature and cycles **not higher** than 120 degrees for 10 minutes or 110 degrees for 15 minutes. **No purge time is needed** before bake cycles.
5. If allowing to air dry the **fan must be shut** off within one minute after the overspray has been evacuated from the last coat of clear.
6. The mixed **pot life** will be about 2-3 hours depending on the temperature in the shop.

7. **First coat must be sprayed** how you want the clear to look the next day therefore **never** spray a tack/dust/drop coat. The exception is over unstable metallics, then the first coat should be a drop coat/tack coat.
8. Reduce the clear however it works best for you but if you choose to add excess reducer to the mixed product it is very important there is **at least 2 mils of clear** left after buffing is complete (assuming buffing is needed) for maximum UV protection. Test is recommended.
9. Use only a pure carnauba wax or a fresh paint safe hand glaze. Only after 90 days of sunlight can a traditional wax be used.
10. If more than 2 coats are to be applied, **wait 30 minutes** between every coat of clear.
11. Remove any internal gun strainers, filters, disposal cup screens.