

SINCLAIR COATING - Application Instruction.

Remove all dirt, grime and other contaminants (if any) and ensure surface is dry. Stir Sinclair Coating in a circular lifting motion. Best results are achieved by using the aid of an electric drill and paint stirring attachment.

PREPERATION – TAPING:

Taping frames or borders - Though it is not compulsory but it is necessary and advisable, it can help with the removal of Sinclair Coating. It also provides a margin of error in case the outside area is porous.



APPLICATION:

- IF ATMOSPHERIC TEMPERATURE IS HIGHER THEN 35^oc, Cool the Surface with Water To Achieve Substrate Temperature around 20-25 °c, If it is humid, make sure to make it dry using cloth wipe or hot air gun,
- Apply 2 coats. First coat as heavy as possible. Followed by, Second coat perpendicular to first coat,
- Apply a Thicker coat on the edges – Which helps in easily peeling.

APPLICATION - CHOOSE METHOD , TARGET FILM THICKNESS OF 500 -600 MICRON WET FILM THICKNESSS to achieve Dry Film Thickness of 100 Micron

- **OPTION 1:** ROLLER- Easily Applicable, Availability, Applicable on Flat Surfaces, It will Uniform Film, advantage of roller coating is to achieve desired film thickness. Apply in one direction allow it to dry, Apply a second coat perpendicular direction to the first coat for a strong uniform film.

Type of Roller - Acrylic Fiber – 130 MM – 20 MM -1/8 Nap
270 MM- 20 MM – 1/8 Nap.

- **OPTION 2:** Conventional Air Spray – Conventional Air spray equipment may be used. Sinclair may require the use of a larger nozzle and or thinning with water to spray, Sinclair Products can be reduced with distilled water in a ratio 8-10%. , Product SINCLAIR 702

* Note – the addition of water , Will Results more material and will increase the drying time. Use as little water as possible.

Recommended – HVLP or Conventional type spray Gun. Fluid Tip Size – 1.6 to 1.8 mm. HVLP: .070-.110" (1.8-2.8 mm). Air Pressure – 35-40 psi (2.5 bar) {1 bar = 12.- 15 psi)

- **OPTION 3** : PRESSURE POT - For A Pressure Pot - 5 – 7 psi. Is required Suction feed with FF or FX (1.8 tip size) nozzle and jet with 306D Air Cap Siphon Feed: .086" (2.2 mm Pressure Feed: .078-.086" (2.0-2.2 mm) Atomization pressure 4.05-4.75ATM (60-70psi)
- **OPTION 4** :AIR LESS SYSTEM – Airless spray equipment capable of generating fluid pressure of 2000- 2500 Lbs, Select a tip size suitable for your application and equipment capabilities. Adjust the fluid pressure to achieve proper atomization and spray pattern, If using airless equipment for a smaller jobs, use .015 or .017 nozzle at a set pressure of 1200-1500 PSI, tip size of .015 to .021, varies with the volume and type of the job,



Allow a border of 5-10mm around the surface to be coated. If coating is required of rubber seals and non-porous frames, be sure to apply liberally for ease of removal once product has dried and protection is no longer required.



APPLICATION - SECOND COAT

'If' two coats are required, wait until first coat is touch dry before applying the second coat.



Again, remember to apply the second coat liberally around frames.

For Rollers, smash the rollers into the edges to help build the coat around the edges.

For Spray Paint Guns, continually spray to soak the edges to ensure a good thickness for removal.



COVERAGE:

A minimum coating thickness of 1000 microns WET is required, achieving coverage of approximately 4sq. meters per liter. For best results, a WET film thickness of 500 microns is recommended achieving a coverage area of approximately 4sq meters per liter.

NOTE: Areas are a guide only as actual coverage achieved is determined by the substrate surface to be coated as well as the application (roller/spray) techniques used. When spraying, a good indication that you've applied an appropriate amount of Sinclair Coating is that the coat will reflect light and mirror objects. A good indication you have applied more than enough, the coat will begin to wrinkle and sag.

NOTE

- Ensure adequate ventilation when applying product.
- For best application, apply at temperatures between 14°C and 25°C.
- Avoid applying product if temperature is below 10°C or above 35°C.

DRYING:

Approximately 45 – 60 minutes (touch dry).

NOTE: Drying time is just for your guide only. If Temperature is cool or humid , it will take Longer drying times.



REMOVAL :

Start from a corner and carefully peel back the coating (At this time, you will realize Why ? thicker coating at the edges) . If applied correctly, you should have enough tensile strength in the coating to remove it in one sheet.



Recommended removal temperature is between 10c to 30c. Outside these Temperatures, it is recommended to use water to aide clean down.

Heavily Soiled Sections- Wherever possible do not attempt to remove soiled sections that did not peel off - Apply additional water above the soiled sections allowing the water to run down Behind the soiled section into the Sinclair membrane ,

Gently clean off soiled section using a clean, undamaged, plastic spatula

HARD TO REMOVE?

If your Coating Does Not peeled easily – Don't get Panic,

Probable Reason:

If your coat was not applied thick enough, or spread out too thinly, or left on much longer than the thickness of the coat allowed. You will find the coat will bake on. Scaling and feathered edges are a sign your initial coat was applied too thin for the time period needed for the job of protecting your windows.



If Outside temperature or the substrate temperature is exposed to overheat above 35°C.,

SOLUTION:

Just Wet the surface with Water, Allow film to soak water, about 5-10 minutes, film will be soft enough to remove. Another method is using a high pressure water hose or power sprayer to remove the baked on coating.



In case any residue of Sinclair membrane remains:

1. Clean the Substrate with Soapy Water.
2. Methylated Spirits will also assist in removing difficult area which was painted too thin.
3. Prepare a Solution of Iso Propyl Alcohol – 25% in water, and rub with gentle hand on the surface, Followed by Soapy water..,

-----Thank You – From Sansui Paints