



## Application Guide for Jewellery

### Protectaclear Protective coating

**Protectaclear** is a crystal clear one-part air cured coating. It is a self-levelling easy to apply product, leaving a seamless surface. It has excellent chemical, abrasion and impact resistance above rating H6 to 7 on the scratch resistance pencil scale using the ASTM method D3363-05. Note: As comparison granite measures H6. The coating is extremely thin measuring only 3 to 5 microns making it virtually invisible to the naked eye.

The coating will remain flexible enabling it to move with the constant expansion and contraction of the substrate when heating and cooling. It has passed the ASTM method test D2794 for flexibility and impact at 80lbs and a 1/2 inch mandrel bend test.

### Application instruction

#### Preparation:

Before applying **Protectaclear** it is important to ensure the surface has been prepared correctly. This is especially important if an unknown polish, wax or cleaner has been used on the surface as it may contaminate the coating while curing.

Dilute **PREP 505** 1 part to 4 parts water to create a neutralising and degreasing agent. Wash the surface with the provided microfiber cloth to clean off any potential contaminants.

Spray fresh water over the surface to remove the **PREP 505** mixture. Ensure all the mixture has been rinsed off and allow to air dry. Once dry, inspect the surface for any contamination. Repeat the above if needed.

You may also want to use some IPA (Isopropyl Alcohol or rubbing alcohol) This will help dry the surface and also remove any potential solvent based contaminants. Once dry, the surface is ready to coat with **Protectaclear**.

#### Application:

**Protectaclear** can be applied using either a lint free cloth, a high density foam roller, or a spray system if competent. For most applications a lint free applicator cloth is the best method for jewellery. Quickly and smoothly apply the coating to the surface. You need to apply enough coating to make the surface look wet, but try not to over coat. The coating will self level so a completely smooth finish is not vital as long as you have not over applied the product and it is not pooling.

The coating will be touch dry in 20-30 minutes, depending on the ambient temperature, and fully cured in 8 hours.

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