

# Anupam Enterprises

## Protective Coatings Division

### Anucryl - TSA

#### Thermosetting Acrylic Coating

##### Product Description

**Anucryl - TSA** coating is a one component, heat curing, high solids, acrylic melamine finish which has a high crosslink density and excellent gloss and chemical resistance. It outperforms alkyd/amino-baking systems in regard to durability and mechanical properties. It can be successfully applied on steel, aluminium and brass surfaces.

##### Features and Benefits

- Can be applied by conventional spray.
- Tough and durable finish.
- Excellent gloss and colour resistance properties.
- Has a very high mechanical strength in comparison to conventional stoving finishes.
- Good adhesion and hardness over ferrous and non-ferrous metals.
- Does not contain any lead and toxic metals.
- Resistant to staining.
- Very good chemical and abrasion resistance.
- Excellent resistance to lubricants and fuels.

##### Recommended Uses

Domestic Appliances	Brass Surfaces
Aluminium Surfaces	Refrigerators
Automotive Components	Metal Decorating
Bathroom Fittings	Fans, Ovens, Toasters etc.

#### TECHNICAL DATA

Name/Description	<b>Anucryl - TSA</b>
Type	Single pack heat cured
Composition	Acrylic/Melamine Resins, pigments and solvents
Colour	Clear and range of colours including metallics
Finish	Smooth & Glossy / Matt
Solids percent by weight (120°C for 1 hour)	45 ± 2

Supply Viscosity @ 30°C	50 ± 5 seconds in Ford Cup No. B/4
Thinner Intake	10 to 30%
Application Viscosity	20 to 22 seconds in Ford Cup No. B/4
Dry film thickness per coat	25 to 30 microns
Coverage - theoretical	8 to 9 m <sup>2</sup> per litre
Coverage - practical	6 to 7 m <sup>2</sup> per litre
Serviceability @ 30°C	
Flash off	10 to 15 minutes
Baking Schedule	30 mins at 130°C or 15- 20 minutes at 150°C
Solvent/Thinner	Anucryl - TSA Thinner
Application Temperatures	
-minimum	15°C
-maximum	35°C
Flash Point	> 27°C
Outdoor Durability and Corrosion Resistance	Excellent
Dry heat resistance	130°C
Precaution	Flammable. Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapours.
Packing	1, 4 & 20 litres
Shelf Life	12 months

### **Mixing and Application:**

Mix **Anucryl - TSA** in a clean container made of either glass or plastic. Reduce to application viscosity of 20 to 22 seconds by adding recommended thinner. The surface to be coated must be free from old paint, dirt, oils, corrosion, grease etc. and must be dried. It can be applied either by conventional spray, airless spray or by dipping process.

### **Notes:**

- Spray equipment should be cleaned with **Anucryl - TSA Thinner**
- The content should be stirred thoroughly prior to use.
- This coating should always be thinned with **Anucryl - TSA Thinner**. The use of alternative thinners can severely inhibit the curing mechanism of the coating.

### **Disclaimer:**

*Information provided herein is based upon tests believed to be reliable. It does not guarantee the results to be obtained. Nor does it make any express and implied warranty or merchantability, or fitness for a particular purpose concerning the effects or results of such case. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended uses. The application, surface preparation and use of the products are beyond our control and, therefore, entirely your own responsibility.*

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