



## TRG-7

### UV Curable Flame Retardant-Filled Conformal Coating

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#### Description

**TRG-7** is a one-part, clear, acrylate based UV curable conformal coating with excellent adhesion to PET substrates, flexibility and flame retardant properties.

#### Features

Fast and fully cured when exposed to UV light from various UVA-UVB sources  
Tack Free  
Flame retardant properties  
Room temperature cure. No post-cure necessary

#### Properties of Liquid TRG-7

Color	Translucent Liquid
Solids Content	100% solids, no VOC
Viscosity @ 25°C	250-500 cps
Density (g/ml)	1.09
Flash Point	> 93°C (200F)
Recommended Coating Thickness	3 mil- 5 mil
Recommended UV Curing Conditions	1-1.5 J/cm <sup>2</sup> , 5-15 second exposure, 300 WPI Fusion H-Bulb
Shelf Life at Room Temperature	12 months in original containers protected from light

This material will normally be shipped at ambient conditions, the recommendation is to place the material into its intended storage upon receipt to secure shelf life. The product is **Light Sensitive!**

### **Handling**

One component. No mixing required.

### **Application**

Bonding surfaces should be clean and dry. Excess uncured coating can be wiped away with organic solvents.

### **Curing**

Metal halide, various doped mercury vapor bulbs, Xe gas filled bulbs. The speed of cure to tack free depends on the UV intensity emitted by the source and the distance between the source and the substrate.

### **Packaging**

TRG-7 is available in 5 gallon pails (20L), 1L single bottles, and 1L four-pack bundle.

### **Handling Precautions**

Do not handle or use until the Material Safety Data Sheet has been read and understood. For industrial use only.

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**CAUTION!** This material may cause eye and skin irritation or allergic dermatitis. It contains acrylate/methacrylate resins. As with most acrylate/methacrylate based systems, use this product with adequate ventilation. Do not get in eyes or on skin. Avoid breathing the vapors. Wash thoroughly with soap and water after handling. Empty containers retain product residue and vapors, so obey all precautions when handling empty containers.