

TriCure Topcoat for Brush Application

Product Description

TriCure Brush Topcoat / Topcoat is a general purpose topcoat. It is pre-accelerated and formulated for brush application. TriCure Topcoat is specially formulated for non-critical moulding applications.

Brush Application

| Do | Don't |
|--|--|
| Ensure the topcoat has attained workshop temperature of 15°C - 25°C before use. | Stir the topcoat with high shear mixers as this will temporarily break down the thixotropy leading to drainage. |
| Add 2% Butanox® M-50 or equivalent catalyst. | Exceed a wet film thickness of 800 microns as thick films encourage air retention. |
| Gently stir the topcoat by hand or low shear stirrer. | Apply excessive thickness in corner areas as this can cause pre-release. |
| Use long brush strokes and even pressure to apply the topcoat in an even film across the mould surface | Apply backing laminate before the topcoat has reached an appropriate degree of cure. |
| Brush through the topcoat until the recommended wet film thickness of 600-800 microns is reached. | Catalyse more topcoat than can be applied before it starts to gel as this will lead to wastage and possible exothermic reaction. |
| Apply the first layer of laminate within 24 hours of the topcoat. | Allow vapour to be retained in deep mould sections as this can cause slow curing. |

Additives and Variants

As this product is not colour matched, there may be variation in colour between batches.

Incorporation of additional material may affect the working, weathering or cured properties of the topcoat. Please check with Tricel Composites Technical Team before using the topcoat outside of specified parameters.

Post-Curing

Satisfactory laminates for many applications can be made with TriCure Brush Topcoat by curing at workshop temperature (15°C - 25°C). However, for optimum properties, laminates must be post-cured before being put into service. The moulding should be allowed to cure for 24 hours at workshop temperature, and then oven-cured for 16 hours at 40°C.

Recommended Testing

It is recommended that customers test all pigmented topcoats before use under their own conditions of application to ensure that the product meets requirements.

Typical Properties – Uncured

| Property | Typical Value |
|-------------------------------------|---------------|
| Viscosity, 25°C 0.6s ⁻¹ | 400 poise |
| Viscosity, 25°C 4500s ⁻¹ | 15 poise |

Storage

TriCure Brush Topcoat / Topcoat should be stored in its original container, under cover, and out of direct sunlight. These must be kept closed and airtight. It is recommended that the storage temperature should be less than 25°C and the product should not be frozen. Storing the product outside of these conditions may affect the properties of the product and reduce its shelf life. Ideally, containers should be opened only immediately prior to use. Material should be used within 5 months from date of production.

Health and Safety

Read and understand separate Material Safety Data Sheet before using this product. Unsaturated polyester products release heat when they cure in bulk.

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