

# Application Guide



## Sealing Application: *Wood Substrates*

Use these Duratec® products to anchor lacquers, urethanes, polyesters, vinyl esters and most epoxies to wood substrates:

**Duratec Polyurethane Wood Sealer (5604-001 Clear)**

**Duratec Polyester Sealer (823A)**

**Duratec Vinyl Ester Sealer (1800A)**

### Product Selection

Use Duratec Polyurethane Wood Sealer (5603-001) for oily or hard-to-penetrate woods. Use Duratec Polyester Sealer (823A) to seal MDF, urethane tooling board, or woods that are not oily. Use Duratec Vinyl Ester Sealer (1800A) when the sealed surface will be heated to above 200° F or 93° C.

### Application Conditions

The surface should be clean, dry and free from oil, grease, wax or other contaminants. Ambient temperatures should be in excess of 60°F, 16°C to ensure a rapid and complete cure. Time calculations are based on temperatures of 77°F, 25°C.

### Surface Preparation

Sand the surface with 120-220 grit sandpaper and wipe clean prior to applying the sealer.

### Product Preparation and Application—Duratec Polyurethane Wood Sealer

Thoroughly stir both the A and B components of Duratec Polyurethane Wood Sealer prior to blending. Mix 66 parts of component A, by weight,



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with 33 parts of component B, by weight, for at least 5 minutes. Wait 10 minutes after mixing before applying to the wood substrate.

**Note:** *Duratec Polyurethane Wood Sealer is packaged for correct mixing proportions.*

Spray or brush the sealer onto the substrate. Do not build any film thickness, as the sealer penetrates and seals the substrate surface. **Do not use a tack rag.** The sealer will be ready to topcoat or recoat within 90-120 minutes.

**Note:** *There is no need to sand after sealing, unless the surface sits for eight hours or longer.*

### **Product Preparation and Application—Duratec Polyester Sealer and Duratec Vinyl Ester Sealer**

Duratec Polyester Sealer and Vinyl Ester Sealer must be catalyzed with an MEKP-type catalyst. Add 2% (20 cc/quart) and stir thoroughly. Syrgis 925 will work well. Only catalyze an amount that can be applied within 10-15 minutes at 77° F, 25° C.

Spray or brush the sealer onto the substrate. Do not build any film thickness, as the sealer penetrates and seals the substrate surface. **Do not use a tack rag.** The sealer will be ready to topcoat or recoat within 90-120 minutes.

**Note:** *If you wish to sand the sealed surface before topcoating, wait 1-3 hours after the sealer has been applied.*

**SAFETY PRECAUTIONS:** Duratec Polyurethane Sealer, Polyester Sealer, and Vinyl Ester Sealer are extremely flammable. Do not apply near sparks, open flame or heat. Keep area ventilated. Do not smoke. Avoid continuous breathing of vapor. Do not take internally.

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