



EMCAT+[®]
A POSITIVE START | A RICH FINISH[™]

**EC2B Catalyst
Part B**

Acrylic Polymer Coating System

EMCAT+[®] EC2B
Water-Based Resin Catalyst

Description

EMCAT+[®] EC2B Catalyst is the Part-B component of the EMCAT+ EC2A Acrylic Polymer Coating System.

Composed of low pH epoxy silane compounds, **EC2B Catalyst** converts the acid pH Part-A resin component of the 2K polymer system into a fully cured film formation within 24-36 hours.

The addition of 10% by liquid volume of **EC2B Catalyst** into the specific EMCAT+ Part-A resin is required to complete the chemical reaction. Once the Part-A resin is catalyzed the A/B compound will remain functional for an average of 8-12 hours before the blend is no longer a usable viscosity. Post-24 hours of catalyzation will exhibit a solid, inert mass of the A/B blend.

Use

For use in **EMCAT+ EC2A Acrylic Polymer Topcoats**

Features & Benefits

Easy to Mix	Maximizes Adhesion
Longer working time compared to isocyanate	Maximizes Water & Chemical Resistance
Water-Reducible	Maximizes Final Film Hardness
Non-Hazardous / Non-Flammable	Maximizes Film Sheen Retention

Directions for Use

The **Methods of Addition** on the following page are critical to a successful application.

Measurement Chart for Blending

<i>Blending EC2A Resin with EC2B Catalyst at 10% by Liquid Volume</i>		
<i>Resin & Catalyst</i>	<i>Volume (US)</i>	<i>Volume (Metric)</i>
EC2A-Resin EC2B-Catalyst	32 fl. oz. 3 fl. oz.	946 ml 95 ml
EC2A-Resin EC2B-Catalyst	128 fl. oz. 12.8 fl. oz.	3785 ml 379 ml
EC2A-Resin EC2B-Catalyst	5 Gallons 64 fl. Oz.	19 Liters 1.9 Liters

Measure the exact amount of resin to be blended with the exact measurement of catalyst



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Methods of Addition

Pre-measure EMCAT+ EC2B Catalyst 10% by liquid volume of EMCAT+ EC2A resin to be added into. Gently stir the EMCAT+ EC2A resin to be catalyzed while slowly adding the pre-measured EC2B.

DO NOT POUR CATALYST INTO THE RESIN WITHOUT SIMULTANEOUSLY STIRRING THE RESIN AT THE SAME TIME – This will create a sandy/gritty finish if the catalyst is not stirred into the resin while adding.

Continue to stir the A/B resin mixture for 2 minutes. Allow the catalyzed resin to settle and react for a minimum of 30 minutes before using. For best results premix A/B compound 30 minutes before applying. This will ensure optimum chemical reaction time and flow/leveling performance of the coating during spray application. The minimum recommended temperature for use of catalyzed material is 65 degrees F. The optimum drying temperature for EMCAT+ A/B resin compounds is 70F-130F.

Properly catalyzed material will be functional for a maximum of 8-12 hours – after which time the catalyst will begin to gel and become a solid, inert mass. Any unused A/B EMCAT+ resin compound can be disposed of in accordance with local sanitation laws.

Physical Specifications

Liquid Density: 8.40 lbs./Gal.	Solids % by Weight: 100%
VOC Content Actual: 0.0	VOC Content Regulatory: 0.0
HAPS Content: 0.0	pH: 6.5 – 7.0
Viscosity: 20 Sec Zahns #2 Cup	Appearance: Clear Liquid / Water Clear
Dry Time: N/A	Spread Rate: N/A
Flash Point: Above 201°F	Shelf-Life: 12 Months
Freeze/Thaw Cycles: 3+	Photochemical Reactivity: Zero



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**Clean-Up
Procedures**

All Target Coatings EMTECH and EMCAT+[®] Series finishes cleanup with water. Rinse spray gun fluid handling equipment thoroughly with water after each use. If finish dries to a hard film soak gun parts in an acetone solution to soften the film for easier removal.

**Industrial Hygiene
Requirements**

See accompanying Safety Data Sheet (SDS). Use only in well ventilated areas. Avoid inhaling spray mist. Wear a NIOSH/MSHA approved respirator with organic vapor filter cartridge during spray applications..

**Emergency
First-Aid**

Ingestion:

Administer large amounts of water.

DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

Inhalation:

Remove exposed person(s) to a well ventilated area. Treat symptomatically.

Eyes:

Flush with fresh water. Seek medical attention.

Skin:

Wash the exposed area with warm, soapy water. Seek medical attention if irritation occurs.

Disclaimer: The information contained herein is, to the best of our knowledge, reliable. Since individual conditions of use are beyond our control, Target Coatings cannot assume responsibility for any risk or liabilities that may result from the use of our products.