

CRYL-A-STAT ESD-401

DESCRIPTION

CRYL-A-STAT ESD-401 is a 100% solids conductive sealer methyl methacrylate (MMA) based, acrylic reactive resin. It is formulated to form a monolithic bond with other DUR-A-FLEX systems and to be UV resistant.

BENEFITS

- VOC compliant, < 100 g/L
- Fast cure, full strength in less than one hour
- UV resistant
- Seamless, no cold joints, always bonds to itself
- Prevents electrical charge accumulation

TYPICAL USES

CRYL-A-STAT ESD-401 is intended to be used in areas where a conductive or antistatic coating is needed.

COLORS

CRYL-A-STAT ESD-401 is available in silver grey.

PACKAGING & STORAGE CONDITIONS

CRYL-A-STAT ESD-401 is available in 5-gallon (19 liter) pails.

Store in a cool and dry place, below 85 F (30 C), out of direct sunlight. Do not store near open flame or food. The shelf life is 6 months from ship date in the unopened container.

SURFACE PREPARATION

The substrate must be dry and free from oil, grease dirt, bituminous and other contaminants. CRYL-A-STAT ESD-401 is to be applied over CRYL-A-FLEX methyl methacrylate (MMA) primer and/or body coats.

APPLICATION METHOD

CRYL-A-STAT ESD-401 can be brush or roller applied. Prior to use, the CRYL-A-STAT ESD-401 must be properly mixed to ensure that the pigment that has settled to the bottom is dispersed. The appropriate amount of CRYL-A-CURE is determined by the use of the CRYL-A-STAT ESD-401 Mixing Chart and is a function of the material and substrate temperature. CRYL-A-STAT ESD-401 should only be used as a sealer. Ground connections at 30 foot intervals must be installed for antistatic or conductive flooring systems.

COVERAGE/SPREAD RATES

CRYL-A-STAT ESD-401 is applied in two coats at a rate of 80-115 square feet per gallon per coat, depending on the texture/profile of the surface.

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for MMA floor systems are 5 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 85% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at www.dur-a-flex.com for complete details.

CURE

CRYL-A-STAT ESD-401 will dry to the touch, typically in 45 minutes. At this time it is ready for subsequent applications or for use.

TECHNICAL INFORMATION

CRYL-A-STAT ESD-401 is part of a wide range of special repair and wearing materials supplied by DUR-A-FLEX. If you require further information on this or any other of our products please contact our Technical Department.

PHYSICAL CHARACTERISTICS

Solid Content	100%
Pot Life @ 68 F	10-15 minutes
Cure Rate @ 68 F	45 minutes
Recoat Time	45 minutes
Conductivity, ohms	1×10^6 to 1×10^8

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please refer to the master “**Chemical Resistance Chart**” for actual resistance to specific chemicals/reagents.

CLEANING

This product is part of a low maintenance flooring solution, however, certain textures and service environments do require certain procedures. Please refer to the master “**Cleaning Guide**”.

CAUTION

CRYL-A-STAT ESD-401 resins are flammable liquids in their uncured state. Smoking, open flames or sparks should not be permitted during the handling of the product. Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, an organic vapor respirator should be used. Air powered or explosion proof mixing equipment is required. Adequate cross ventilation should be provided and explosion-proof fans may be required. All foodstuffs must be removed during application of the system. **Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN. If substrate and/or material temperature is above 90 F (32 C), Do Not apply material. Detailed application instructions should be obtained, read and understood prior to commencement of application.**

Before using any Dur-A-Flex, Inc. product, be sure the Material Safety Data Sheet is read and understood.