Ilamar Coatings, L.L.C.
A CASS Polymers Company

1200CS

Product Data Sheet

DESCRIPTION

1200CS is a three-step, epoxy coating system designed to meet the need for control of electrostatic discharge in the work environment. Available in both conductive and static dissipating range, 1200CS has excellent characteristics for controlling electrostatic discharge in manufacturing facilities, hospital operating rooms, hangars and munitions manufacturing. 1200CS is also available in 30 mil and 125 mil systems where required.

ADVANTAGES

- Prepackaged, Easy To Use
- Excellent Adhesion
- Durable For Use In High Traffic Areas
- Static Dissipative 1 x 10^6 to 1 x 10^9
  In accordance with EOS/ESD Association 7.1 Standard
- Conductive Range 2.5 x 10^4 to 1 x 10^6
  NFPA 99, EOS/ESD 7.1 Standard
- Chemical Resistant
- Meets ANSI/ ESD STD20.20 and ANSI/ ESD STM 97.1 program standards.

USES

- Electronics Manufacturing
- Clean Rooms
- Munitions Manufacturing
- Operating Rooms
- Hangars

PACKAGING AND COVERAGE

ICO LV Primer

4 gallon kit – covers approximately 1000 square feet at 5-6 mils. Consists of the following -

1 container - Part A (clear resin)
1 container - Part B (hardener)

1200CS Electrostatic Dissipative Ground Plane

5 gallon kit – covers approximately 1500 square feet at 5 mils. Consists of the following -

1 container - Part A (pigmented resin)
1 container - Part B (hardener)

or

1200CS Conductive Ground Plane

5 gallon kit – covers approximately 1500 square feet at 5 mils. Consists of the following -

1 container - Part A (pigmented resin)
1 container - Part B (hardener)

1200CS Top Coat

4 gallon kit – covers approximately 1050 square feet at 6 mils. Consists of the following -

1 container - Part A (pigmented resin)
1 container - Part B (hardener)

PROPERTIES

Compressive Strength (ASTMC-579):	6,750 psi	**Water Absorption (ASTM C-413):**	0.025%
Tensile Strength (ASTM D-638):	2,150 psi	**Working time at (ASTM C-308):**	20 min/ 75°F (24°C)
Flexural Strength (ASTM C-790):	2,275 psi	**Shelf Life:**	1 year
Surface Abrasion:	0.15 wear index	**Colors, Top Coat:**	Light & Medium Gray, Light & Medium Blue, Light & Medium Green
Coefficient of Friction	0.52	**VOC Mixed:**	Primer- 1.7 g/l Ground Plane- 0 g/l Top Coat- 0 g/l
Flammability (ASTM D-635):	Self Extinguishing		

SURFACE PREPARATION

1200CS may be installed only on clean, sound substrates. Do not install at temperatures below 65°F.

New concrete must be cured a minimum of 28 days. All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be acid etched and neutralized or diamond grind to remove surface laitance. A good bonding tooth with removal of all surface glaze and the texture of 100 grit sandpaper is desired for maximum adhesion.

MIXING PRIMER

Mix ICO LV Primer, Part A and Part B, for 2 minutes with a low speed Jiffy mixer or equivalent. Avoid whipping air into the mix. Pour entire mix of material onto floor in a continuous ribbon. Level the mixture with a flat squeegee, then back roll with 3/8" nap roller to remove any squeegee marks.

GROUNDING STRAPS

Ground Straps should be placed every 1,000 square feet or as needed over cured Primer prior to application of Ground Plane.

MIXING GROUND PLANE

Mix 1200CS Ground Plane, Part A and Part B, for 2 minutes with a low speed Jiffy mixer or equivalent. Avoid whipping air into the mix. Once mixed, the material turns into a thick, "molasses-like" epoxy. Pour entire mix of material onto floor in a continuous ribbon. Use a firm, flat edge squeegee to level mixture, then back roll with 3/8" nap roller to remove any squeegee marks. Do not mix more than can be applied in 30 minutes.

MIXING TOP COAT

Mix 1200CS Top Coat, Part A and Part B, for 2 minutes with a low speed Jiffy mixer or equivalent. Avoid whipping air into the mix. Pour entire mix of material onto floor in a continuous ribbon. Level the mixture with a flat squeegee, then back roll with 3/8" nap roller to remove any squeegee marks. Do not mix more than can be applied in 15 minutes

CURE TIME

Allow overnight cure between coats. 1200CS will harden to foot traffic in 18-24 hours at 75°F (24°C). Maximum chemical resistance will occur after 96 hours of cure at 75°F (24°C). Allow 7 days for full cure before taking final readings.

CLEANUP

Cured ICO LV Primer and 1200CS Top Coat will bond to most surfaces and is extremely difficult to remove. Clean all tools and mixer immediately after use with acetone, isopropyl alcohol or other solvent based cleaners. Clean Ground Plane tools with soap and water prior to hardening.

SAFETY

Avoid skin contact. If eye contact occurs, flush with water and consult physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode. 1200CS Safety Data Sheets are available upon request.

MAINTENANCE

This floor requires no buffing and no waxing. Typical maintenance required is as follows: Dust mop on a regular basis as needed. Damp mop with a neutral pH detergent as needed. Scrub periodically with automatic scrubber using a neutral pH detergent and non–abrasive scrub pads such as white, red or tan polish pads.

LIMITED WARRANTY

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C.

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