

SELECTION & SPECIFICATION DATA

Generic Type	Epoxy Polyamine
Description	An epoxy primer cured with a polyamine curing agent and formulated with special pigmentation to produce a cured film having electrical conductivity. A conductive primer for application to nonconductive substrates prior to topcoating with one of the Plasite conductive coatings or conductive floor surfacers.
Features	Excellent resistance to a wide range of chemicals and water solutions
Color	Black
Dry Film Thickness	6 - 8 mils (152 - 203 microns) per coat Important! A minimum 6 mil DFT is required when Plasite 7240 Primer is applied over non-conductive substrates.
Solid(s) Content	71±2% solids by volume
Coverage Rate	1,134 mil ft ² /gallon ±2 % theoretical. For estimating purposes, 130 ft ² per gallon will produce a 6 to 8 mil film (20% loss included). Important! A minimum 6 mil DFT is required when Plasite 7240 Primer is applied over non-conductive substrates.
VOC Values	As Supplied : 2.05 lbs/gal (244.7 g/l) Plasite Thinner #71 : Thinned 10%: 2.50 lbs/gal (298 g/l)

SUBSTRATES & SURFACE PREPARATION

Concrete or CMU	Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Abrade to remove all laitance, loose concrete, etc. and to create surface profile in accordance with the appropriate ICRI CSP 2-5. Linings surface prep.
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PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	System	Results
Electrical Resistance	Plasite 7240	Surface Resistivity: 300 ohms ±40 ohms-cm, avg, ASTM D4496
Electrical Resistance	Plasite 7240	Volume resistivity: 30±2 ohms-cm, avg, ASTM D4496

Note: Resistance Point-to-Ground and Surface Resistivity determined within the context of methods and definitions of ASTM D-150, NFPA 77 and EOS/ESD STD 4. It is understood user must determine suitability for his own use.

MIXING & THINNING

Mixing	The catalyst is in a separate container and measured for the coating unit supplied. Thoroughly mix the pigments. After the pigment and liquid are thoroughly mixed, add the measured liquid catalyst slowly and mix completely with the coating.
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MIXING & THINNING

Thinning	FOR SPRAY APPLICATION ONLY! Plasite Thinner #71 is a medium fast thinner and is to be used under most conditions. It will always be necessary to thin the coating. The applicator must make exact thinner adjustments based on his equipment and air and surface temperatures. The following thinning guidelines are approximate:
	Normal application temperatures and conditions will require the addition of approximately 5% to 10% thinner by volume with approximately 5% additional thinner added for each 5° of increased temperature. It is recommended that the amount of thinner included on each order amount to approximately 20% of the coating order.

Pot Life | Approximately 2 hours at 70 °F. Potlife times will be less at higher temperatures.

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General)	All spray equipment should be thoroughly cleaned and the hose, in particular, should be free of old paint film and other contaminants. Use standard production-type spray guns. When airless spray equipment is used, the recommended liquid pressure is 1500 to 1800 psi with tip size from 0.017" to 0.025". Thinning requirements are more than for conventional spray.
	Air supply shall be uncontaminated. Adjust air pressure to approximately 50 lbs. at the gun and provide 5 to 10 lbs. of pot pressure. Adjust spray gun by first opening liquid valve and then adjusting air valve to give an 8" to 12" wide spray pattern with best possible atomization.

APPLICATION PROCEDURES

General	Apply a "mist" bonding pass. Allow to dry approximately one minute but not long enough to allow film to completely dry. Apply crisscross multi-passes, moving gun at fairly rapid rate, maintaining a wet appearing film. Fast multi-passes may be applied until you have a film thickness of approximately 6 to 7 mils (approximately 9 to 10 wet mils).
	Overcoat time will vary both with temperature and ventilation and will normally require 10 to 12 hours at 70 °F for enclosed spaces. Less time is required for exteriors. Remove all overspray by dry brushing or scraping if required. Equipment must be thoroughly cleaned immediately after use with Plasite thinner to prevent the setting of the coating.

CURING SCHEDULE

Surface Temp.	Tack Free
70°F (21°C)	16 Hours

CLEANUP & SAFETY

Cleanup	Use Plasite Thinner #71. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
Safety	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Keep container closed when not in use.

CLEANUP & SAFETY

Ventilation	When used in enclosed areas and product is thinned, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.
Caution	This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workers should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

PACKAGING, HANDLING & STORAGE

Shelf Life	24 months at 70 °F. Material in stock should be turned upside down every 3 to 6 months.
Shipping Weight (Approximate)	Approximately 11 lbs/gal.
Flash Point (Setaflash)	Part A: 24 °F (4 °C) Part B: 219 °F (104 °C)

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.