

TYPE

An epoxy primer cured with a polyamine-type curing agent and formulated with special pigmentation to produce a cured film having electrical conductivity.

INTENDED USE

A conductive primer for application to nonconductive substrates prior to topcoating with one of the Plasite conductive coatings or conductive floor surfacers.

FOR INDUSTRIAL USE ONLY!

CHEMICAL RESISTANCE

Excellent resistance to a wide range of chemicals and water solutions.

APPLICATION

Formulated for standard production type spray equipment, roller or brush.

COLORS

Black

FILM THICKNESS PER COAT

A 6 to 8 mil coat is produced in one coat.

Coverage: 1,134 mil ft²/gallon \pm 2 % theoretical. For estimating purposes, 130 ft² 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.

MINIMUM OVERCOAT TIME

Plasite 7200 and 9200 Series – Plasite 7240 Primer surface is tack free 12 to 16 hours at 70°F.

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.

MAXIMUM OVERCOAT TIME

Plasite 7200 and 9200 Series – Can be applied over fully cured Plasite 7240 Primer.

VOC CONTENT

	Coating as Supplied (Determined Theoretically)		Thinned 10% by Volume with Plasite Thinner #71 (Determined Theoretically)	
Color	Lbs./Gal.	g/L	Lbs./Gal.	g/L
Black	2.05 +/- 2%	244.7 +/- 2%	2.5 +/- 2%	298.4 +/- 2%

PHYSICAL SPECIFICATIONS

SOLIDS:.....79% +/- 2% by weight; 71% +/- 2% by volume.

POT LIFE:.....Approximately 2 hours at 70°F

SHELF LIFE:.....24 months minimum at 70°F. Material in stock should be turned upside down every 3 to 6 months.

SHIPPING WEIGHT:.....Approximately 11 lbs/gal.

ELECTRICAL RESISTANCE: (ASTM D4496)

VOLUME RESISTIVITY: 30 \pm 2 ohms-cm, avg.

SURFACE RESISTIVITY: 300 \pm 40 ohms-cm, avg.

THINNERS

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.

SURFACE PREPARATION

CONCRETE

Fully cured concrete must be blasted or acid etched to provide a hard, firm, clean and neutral surface for coating.

If concrete is to be filled and sealed with Plasite 6028 or 9029 it is recommended that Plasite 7240 be used to topcoat the Plasite 3028 or 9029 prior to the application of Plasite conductive topcoats. For further information contact Carboline Technical Service Department.

WALLBOARD AND OTHER NONCONDUCTING SUBSTRATES (NONIMMERSION SERVICE)

Surface must be oil free, clean and dry.

PLASITE® 7240

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.

Spray

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:

GUN	FLUID	AIR
DeVilbiss JGA-510	E	797
Binks #2001	66-SS	63-PB
Graco P800	04	02

When airless spray equipment is used, the recommended liquid pressure is 1500 to 1800 psi with tip size from .017" to .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.

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.

SAFETY READ THIS NOTICE SAFETY AND MISCELLANEOUS EQUIPMENT

For tank lining work and enclosed spaces, it is recommended that the operator provide himself with clean coveralls and rubber soled shoes and observe good personal hygiene. Certain personnel may be sensitive to various types of resins which may cause dermatitis.

THE SOLVENT IN THIS COATING IS FLAMMABLE AND CARE AS DEMANDED BY GOOD PRACTICE, OSHA, STATE AND LOCAL SAFETY CODES, ETC. MUST BE FOLLOWED CLOSELY. Keep away from heat, sparks and open flame and use necessary safety equipment such air mask, explosion-proof electrical equipment, non-sparking tools and ladders, etc. Avoid contact with skin and breathing of vapor or spray mist. When working in tanks, rooms and other enclosed spaces, adequate ventilation must be provided. Refer to Plasite Bulletin PA-3. Keep out of the reach of children.

The coating system may be handled safely by trained personnel following normal laboratory and plant standards for housekeeping and personal hygiene. In the event of skin contact complications, the affected areas should be washed with soap and water. Eye protection is recommended. Work in well ventilated areas away from open flame. In enclosed areas, although ventilated, fresh air masks should be provided.

The catalyst (Part C) is relatively stable at room temperatures but must be protected from contamination, heat, fire and contact with promoter (Part B). The catalyst (Part C) is classified by the Interstate Commerce Commission as an "oxidizing material." All shipping containers bear a yellow caution label. The catalyst is highly irritating if it gets into the eyes. Immediately rinse eyes thoroughly with water and get medical attention. The catalyst also can be a skin irritant and should be removed with large quantities of soap and water. Since this is an oxidizing material, it should not be allowed to accumulate or remain in soaked rags or clothing.

CAUTION - Read and follow all caution statements on this product data sheet, material safety data sheet and container label for this product.



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An **RPM** Company

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