

SÉLECTION ET SPÉCIFICATIONS

Description	A bake coating using an unmodified phenolic resin with superior resistance to acids and solvents. Conforms to many of the current VOC regulations. Uses: Tank lining for solvents, acids, hot water, food products As a protective coating for machinery parts, filter press plates, fans, etc.
Couleur	PLASITE 3070 is offered in ivory (changing to Medium Tan after baking).
Fini	S/O
Épaisseur de feuil sec	127 - 178 microns (5 - 7 mils) total 2 or 3 coats will produce the recommended dry film thickness of 5 to 7 mils
Teneur en solides	Par volume 45% +/- 2%
Taux de couverture théorique	17.7 m ² /l à 25 microns (722 pi ² /gal à 1.0 mils) 3.5 m ² /l à 125 microns (144 pi ² /gal à 5.0 mils) 2.5 m ² /l à 175 microns (103 pi ² /gal à 7.0 mils) Tenir compte des pertes lors du mélange et de l'application.
Valeurs COV	Tel que fourni : 354 +/-2%. Tel que fourni : 404 +/-2%
Couches de finition	Not Applicable

PRÉPARATION DES SURFACES D'APPLICATION

Aluminium	Surface shall be clean and grease free with a blast produced blast profile depth or "tooth" as described earlier under Steel. In addition, the blasted surface shall be given a chemical treatment such as: ALODINE 1200S available from Henkel Surface Tech IRIDITE 14-2 produced by MacDermid Incorporated OAKITE CRYSCOAT 747LTS and OAKITE CRYSCOAT ULTRASEAL produced by Oakite Products For immersion, blasting with sharp grit followed by the chemical surface treatment is required. Note: On metallic surfaces prepared only by chemical etching, the total coating film thickness applied should be restricted to only half the film normally applied to blasted surfaces. This reduced film thickness should be considered during selection of the coating for the service and the type of surface preparation performed.
Instructions spéciales	<ul style="list-style-type: none"> • Apply only on a clean, sound, properly prepared substrate. • Minimum ambient, material and surface temperatures are 50°F/10°C at the time of application. • Maximum ambient, material and surface temperatures are 100°F/38°C, 90°F/32°C and 100°F/38°C respectively at the time of application. • Relative humidity should be between 0 – 80%. • Substrate temperature should be 5°F/3°C above the dew point.

Plasite 3070

FICHE PRODUIT



DONNÉES DE PERFORMANCE

Tous les résultats d'essais ont été obtenus dans des conditions de laboratoire. Les résultats peuvent varier lorsque les essais sont réalisés sur le terrain.

Méthode d'essai	System	Résultats
Abrasion Resistance	5-7 mils Plasite 3070	47.76 milligrams average loss per 1000 cycles, Taber CS-17 Wheel, 1000 gram weight
Gloss	5-7 mils Plasite 3070	27 @ 60°
Pigments	5-7 mils Plasite 3070	Titanium dioxide and inert pigments
Surface Hardness	5-7 mils Plasite 3070	Konig Pendulum Hardness of 173 seconds Glass Standard = 250 seconds); ASTM Method D4366-84
Thermal Shock	5-7 mils Plasite 3070	Unaffected 5 cycles, minus 70°F/-56°C to plus 200°F/93°C

MÉLANGE ET DILUTION

Dilution

Complying with local VOC regulations may require application without additional thinner. If addition of thinner is required, PLASITE Thinner #68 or #71 are recommended. Cleanup Thinner: Thinner #71

DIRECTIVES RELATIVES À L'ÉQUIPEMENT

Des directives générales relatives à l'équipement, pour l'application de ce produit, sont fournies ci-dessous. Il peut être nécessaire de modifier ces directives en fonction des conditions du chantier pour obtenir les résultats souhaités.

Pulvérisation (directives générales)

PLASITE 3070 is formulated for standard production spray equipment. All spray equipment shall be thoroughly cleaned and the hose, in particular, shall 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 1500-1800 psi/103-124 bars with tip size from .015-.019 inches. Air supply shall be uncontaminated. Adjust air pressure to approximately 50 lbs. at the gun and provide 10-15 lbs./0.7-1 bar pot pressure. Adjust spray gun by first opening liquid valve and then adjusting air valve to give approximately an 8-12 in./20-30 cm. fan holding perpendicular to the surface at a distance of 12 in./30 cm. Apply a "mist" bonding pass. Allow to flash off for several minutes but not long enough to allow film to completely dry. Apply 2 to 3 crisscross multi-passes, maintaining a wet appearing film (approximately 3-4 wet mil/75-100 microns). This will dry to approximately 1.5- 2 dry mil/37-50 microns. Air dry with ventilation a minimum of 60 minutes prior to introducing heat. After the air-dry time has elapsed, the substrate temperature should be increased at a time/temperature rate not to exceed 30°F/17°C every 30 minutes until the intermediate baking temperature has been reached. Hold for 30 minutes. GUN DeVilbiss JGA-510 Binks #2001 Graco P800 FLUID E 66-SS 04 AIR 797 63-PB 02 After the substrate has cooled down to good application temperatures, prepare lining for succeeding coats. Repeat the above steps for each separate coat and intermediate bake. Three coats are recommended to attain a 5-7 mil/125-175 microns DFT. After final intermediate bake, check coating for DFT and holidays. Repair as needed. Final bake at 375-400°F/190-204°C (400°F for sulfuric acid service) for 90 minutes or until proper color has been attained.

NETTOYAGE ET SÉCURITÉ

Sécurité

For tank lining work or 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 as, 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.

EMBALLAGE, MANUTENTION ET ENTREPOSAGE

Durée de conservation | Estimated at 3 months at 70°F/21°C . Higher temperatures reduce shelf life.

Température et humidité d'entreposage | Store all components between 50-75°F/10-24°C in a dry area. Keep out of direct sunlight. Avoid excessive heat and do not freeze. The shelf life is 3 months in the original, unopened container.

GARANTIE

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