

NOVOLAC 555 TECHNICAL DATA

Maximum Chemical Resistance

Novolac Resin Cycloaliphatic Curing System Long Potlife

VOC Class: Mastic VOC = 239 g/l

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| <p>STANDARD PRODUCT DESCRIPTION</p> | <p>Novolac 555 is a high solids modified cycloaliphatic cured multifunctional epoxy Novolac epoxy. The filler is ceramic which maximizes chemical, abrasion and thermal shock resistance. Has exceptional chemical and solvent resistance for an air cured system. Designed for use in splash and spillage of 98% Sulfuric Acid and 37% HCL. This product is used on steel, concrete and polymer materials.</p> |
| <p>USES</p> | <p>Recommended for structural steel, tank linings, vessels, equipment, pipe racks, storage tanks, towers, truck unloading pads, bleach plants, dye rooms, battery storage areas, in chemical processing plants, pulp and paper mills, sewage and waste water treatment facilities, fertilizer plants, refineries, electric generating stations, coal handling sites, mines and marine installations. Used extensively in secondary containment areas, concrete floors, walls and other structures.</p> |
| <p>FEATURES</p> | <ol style="list-style-type: none"> 1. Outstanding resistance to acids, alkalis, most industrial chemicals and many solvents. 2. May be applied in cold, damp conditions. Cures down to 45°F. 3. For use on concrete, epoxy mortars and steel. 4. Excellent for secondary containment. 5. Solvent based for a long potlife. 6. Easy to brush or roller apply. 7. Excellent abrasion resistance with ceramic filler. 8. Excellent in battery storage room areas. |
| <p>PHYSICAL PROPERTIES</p> | <p>COLOR Dark gray GLOSS Semi gloss MIXING RATIO 4:1 by volume POT LIFE 60 minutes @ 75°F RECOAT TIME @ 75°F 8 hours minimum, 24 hour maximum APPLICATION TEMPERATURE 45°F - 120°F THEORETICAL COVERAGE 1,187 sq. ft. per gallon @ 1.0 DFT RECOMMENDED COVERAGE 1310 sq. ft./mil/gallon RECOMMENDED THICKNESS 7-10 mils DFT @ 180-260 sq.ft./gallon DRY SERVICE TEMPERATURE 280° F V.O.C. 148 GMS/L (1.24 lbs/gl) VOLUME SOLIDS 82% ± 2% SHELF LIFE 12 months INDUCTION TIME None APPLICATION Brush, spray or roller</p> |
| <p>SURFACE PREPARATION</p> | <p>Steel: Remove all dirt, oil, grease, chemical contaminants, and any other foreign matter before abrasive blast cleaning. Prepare and paint only clean, dry surfaces in accordance with SSPC or NACE specifications.</p> <p>Non-Immersion Corrosive Service - Sand blast to a 'near white' blast finish as outlined in SSPC-SPC10-63T or NACE No. 2 specification.</p> <p>Immersion - Sand blast to a 'white metal' blast finish as outlined in SSPC-SP5-63 or NACE No. 2 specification. A 1-2 mil profile is required when blasting.</p> <p>Primers - Prime all blasted steel within 4 hours to prevent rust from reoccurring. Apply 1-2 coats of CM 15 epoxy depending on service.</p> |

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| SURFACE PREPARATION (continued) | <p>Concrete: High Pressure Wet Abrasive Blast Cleaning - All loose and unsound concrete must be mechanically removed down to sound concrete by means of power tool equipment, such as, chipping/scaling hammers, rotary scalers, etc. High pressure water blast with sand injection all surfaces to remove all laitance, contaminants, and other foreign deposits to provide a sound, clean surface. Use clean dry air to blow down these areas to remove excessive moisture.</p> <p>Acid Etch - Apply Prep N Etch per directions. Work the solution into the concrete with a stiff broom or fiber brush. Allow solution to remain on the concrete surface for approximately 10 minutes, or until the effervescing and bubbling ceases. Then flush floor thoroughly with clean, fresh water to remove all laitance, dirt and other foreign materials.</p> <p>Abrasive Blast - Abrasive blast concrete surface to remove all laitance, loose concrete, coatings, sealers, etc. It is necessary to achieve a rough anchor pattern and get to sound concrete. All blast material and foreign matter must be removed before application.</p> <p>In all cases of surface preparation random pH readings using distilled water should be made to insure all contaminants have been removed. A final pH between 7.0 and 8.5 is acceptable. Also, it is recommended that a 'water dissipation test' be made on random areas of the floor to determine the proper degree of porosity has been achieved.</p> | | | | | | | | | | | | | | | | |
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| MIXING INSTRUCTIONS | Novolac 555 is prepared by mixing 4 parts Base (Part A) to 1 part Curing Agent (Part B). Novolac 555 should be used without any induction time. | | | | | | | | | | | | | | | | |
| APPLICATION | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <ol style="list-style-type: none"> 1. Airless Spray Gun - Graco - 205-591 Pump - 30:1 Tip Range - .019" - .025" @ 2500 psi Hose - 1/2" ID Pressure - 2400 - 2700 psi </td> <td style="width: 50%; vertical-align: top;"> <ol style="list-style-type: none"> 2. Conventional Spray Gun - DeVilbiss MBC 510 or JGA Fluid Tip - "E" Air Cap - 64 or 704 Atomizing Pressure - 20-60 psi Pot Pressure - 20 - 50 psi Hose - 1/2" ID </td> </tr> <tr> <td style="vertical-align: top;"> <ol style="list-style-type: none"> 3. Brush - use pure bristle brush </td> <td style="vertical-align: top;"> <ol style="list-style-type: none"> 3. Roller - medium nap solvent resistant phenolic core </td> </tr> </table> <p>When spraying, use a 50% overlapping crosshatch pattern to minimize the occurrence of pinholes. Do not apply to surfaces below 45°F. Or above 120°F. Do not apply over dew or frost. Do not apply if the temperature is within 5° of the Dew Point.</p> | <ol style="list-style-type: none"> 1. Airless Spray Gun - Graco - 205-591 Pump - 30:1 Tip Range - .019" - .025" @ 2500 psi Hose - 1/2" ID Pressure - 2400 - 2700 psi | <ol style="list-style-type: none"> 2. Conventional Spray Gun - DeVilbiss MBC 510 or JGA Fluid Tip - "E" Air Cap - 64 or 704 Atomizing Pressure - 20-60 psi Pot Pressure - 20 - 50 psi Hose - 1/2" ID | <ol style="list-style-type: none"> 3. Brush - use pure bristle brush | <ol style="list-style-type: none"> 3. Roller - medium nap solvent resistant phenolic core | | | | | | | | | | | | |
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| CAUTIONS | Novolac 555 is flammable. Keep away from all sources of ignition during storage, mixing, application and cure. The curing agent (Part B) and base (Part A) can cause eye and skin burns as well as allergic reactions. Use goggles, fresh air masks or NIOSH approved respirators, protective skin cream and protective clothing. This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions. READ MSDS. | | | | | | | | | | | | | | | | |
| TRANSPORT | OSHA Flammability Classification: Flammable liquid. | | | | | | | | | | | | | | | | |

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

WARRANTY DISCLAIMER: The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put, no warranty, express or implied is intended or given except that these goods shall be of merchantable quality and buyer assumes all risk and liability for results obtained by the use of the materials covered in this data sheet, whether used singly or in combination with other products. We assume no responsibility whatsoever for coverage, performance or damages, including injuries resulting from use of this information or of products recommended herein. The sale and use of this product is governed by Progressive Products, Inc.'s Warranty Disclaimer and Return Policy.

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| <p>Manufactured by: GCPM in Al</p> | <p>Distributed by: Progressive Epoxy Polymers, Inc. 48 Wildwood Dr. Pittsfield, NH 03263-3406</p> | <p>Tel: 603-435-7199 Fax: 603-435-7182 www.epoxyproducts.com info@epoxyproducts.com</p> |
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