

PPG NOVAGUARD® 2620 Lining System

Formerly known as Milamar 2620 CR

DESCRIPTION

Three-component monolithic novolac epoxy liner, formulated for chemical and abrasion resistance in corrosive atmospheres or continuous immersion service

PRINCIPAL CHARACTERISTICS

- Monolithic - Seamless Surface
- Excellent chemical resistance
- Excellent adhesion and abrasion resistance
- Fast curing
- TYPICAL USES:
- Tanks
- Pits and trenches
- Chemical secondary containment walls

COLOR AND GLOSS LEVEL

- Charcoal

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Three
Volume solids	100 ± 2%
Dry to handle	4 hours
Full cure after	96 hours
Shelf life	Part A: at least 12 months when stored cool and dry Part B: at least 12 months when stored cool and dry Part C: at least 12 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Spreading rate and film thickness
- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Substrate temperature during application and curing should be between 65°F (18°C) and 85°F (29°C)

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Concrete

- New concrete must cure a minimum of 28 days prior to application
 - Apply only to properly prepared, clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants. Neutralize or remove these and any laitance or weak surface layers such as broom finished concrete surfaces
 - Prepare in accordance with SSPC-SP13 guidelines to achieve a surface profile equivalent to CSP 3 to CSP 5 in accordance with ICRI 310.2R-2013
 - Surface texture of 60 grit sandpaper is desired for maximum adhesion
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Metal

- Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. The blasting media used shall be properly graded, clean, sharp, angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).
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INSTRUCTIONS FOR USE

Mix as packaged

- Prior to use, the temperature of all materials should be at least 70°F (21°C) for at least 48 hours
 - Primer: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 2 minutes
 - Mortar: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 2 minutes. Slowly add part C and mix for another 1-2 minutes
 - Veil Coat: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 2 minutes
 - Apply immediately after mixing
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Application

- Apply the primer in a thin, even layer with a roller and pull the excess down with a squeegee
- The primer must be overcoated within 2-3 hours
- Apply the mortar by trowel and remove large surface marks
- Allow mortar to set for 2-3 hours
- Knock off any surface nubs with a carbide block or grinder
- Spread the veil coat over the surface with a roller and remove excess material with a squeegee
- Product working time is 25 minutes at 75°F (24°C)

Note:

- The working time of the mortar will substantially be reduced if the material is left in the mixing pail
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Cleaning procedure

- Fully cured material can only be removed from equipment or surfaces through mechanical methods
 - Cured material may be disposed according to local, state and federal laws and regulations
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ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Compressive strength (ASTM C579)	14,570 psi (100 MPa)
Tensile Strength (ASTM D638)	2,200 psi (15 MPa)
Bond Strength (ASTM C321)	>350 psi (>2.4 MPa); 100% concrete failure
Coefficient of Thermal Expansion (D696)	9.16×10^{-5} in./in./°F
Impact Strength (ASTM D4226)	100 in./lbs. (11 Nm)
Flammability (ASTM D-635)	Does not support combustion
Water Absorption (ASTM D570)	0.038%
Indentation (MIL-D-3134F)	No indentation

Note:

- The value ranges stated in this Product Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

Spreading rate and film thickness	
DFT	Theoretical spreading rate
Primer (Parts A & B) - 10.0 mils (250 µm)	30 ft ² /US gal (0.7 m ² /l)
Mortar (Parts A, B, & C) - 125.0 mils (3125 µm)	10 ft ² /US gal (0.2 m ² /l)
Veilcoat (Parts A & B) - 10.0 mils (250 µm)	30 ft ² /US gal (0.7 m ² /l)

DISCLAIMER

- For industrial or professional use only
- This product is specifically suitable for use on the substrates mentioned in this document. For application on any other substrates, please always contact your PPG representative for specific instructions and in order to make sure that the product performance can be safeguarded.

SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use

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WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

WARRANTY

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AVAILABILITY OF PACKAGING

Packaging

- 1-batch kits

