

# PPG NOVAGUARD® 6200 Grout Resurfacer

Formerly known as Milamar 6200 FS Vinyl Ester Flooring System

## DESCRIPTION

Chemical resistant, multi-layered Novalac Vinyl Ester laminate flooring system.

## PRINCIPAL CHARACTERISTICS

- Monolithic surface - resistant to chemicals, thermal shock and abrasion
- Excellent adhesion
- Rapid cure and return-to-service
- Slip resistant finish
- Resistant to temperatures up to 210°F (99°C)
- TYPICAL USES:
- Food production plants
- Industrial and commercial warehouses
- Suitable for industrial areas with heavy traffic
- Chemical processing facilities

Note: This product was previously sold as Milamar 6200 FS Vinyl Ester Flooring System

## COLOR AND GLOSS LEVEL

- Red, gray, black
- Matte

## BASIC DATA AT 75°F (24°C)

Data for Complete System	
Mass density	9.0 lb/US gal (1.1 kg/l)
Volume solids	84 ± 2%
VOC (Supplied)	max. 1.4 lb/US gal (approx. 165 g/l)
Recommended dry film thickness	250.0 mils (6350 µm) per coat
Theoretical spreading rate	50 ft <sup>2</sup> /US gal for 250.0 mils (1.2 m <sup>2</sup> /l for 6350 µm)
Curing time	24 hours
Dry to walk on	2 hours
Full cure after	4 days

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## Data for Complete System

<b>Shelf life</b>	Base: 9 months Hardener: 12 months
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### Notes:

- Four seed coats are required to build the required film thickness
- Curing time reflects ready for service time
- Full cure after reflects maximum chemical resistance at 75°F (24°C)
- Listed shelf life is when product is storage at 70°F (21°C)
- The shelf life for the unmixed glazing compound is 12 months at 70°F (21°C).
- Listed data is for complete system that includes primer, mid-coat, and top coat.

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Concrete

- All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint, and other foreign substances
- New concrete must cure a minimum of 28 days prior to application
- Prepare in accordance with SSPC SP-13 guidelines
- Surface texture of 60 grit sandpaper is desired for maximum adhesion

### Metal

- Remove all rust, dirt, moisture, grease or other contaminants from the surface in accordance with SSPC SP-1
- Abrasive blast with an angular abrasive to an SSPC SP-10 cleanliness or higher

### Substrate temperature and application conditions

- Substrate temperature during application should be between 65°F (18°C) and 85°F (29°C)
- Do not apply this product when substrate temperature is below 50°F (10°C) or above 90°F (32°C)

## SYSTEM SPECIFICATION

- Recommended primer NOVAGUARD 1900 (formerly known as ULTRAPRIME) is included with this system kit. Refer to Technical Data Sheet

## INSTRUCTIONS FOR USE

- This system kit includes Part A (resin), Part B (catalyst), Part C (glazing compound), Part D (chemical resistance aggregate)



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## **Preparation**

- Prior to use, the temperature of all materials should be at least 70°F (21°C) for at least 48 hours
- Primer: Refer to Technical Data Sheet NOVAGUARD 1900
- Mid coat: Mix 1 US gallon (3.8 L) Part A (resin) with 2 US oz. (60 mL) Part B (catalyst) for 2 minutes
- Top coat: Mix 1 US gallon (3.8 L) Part A (resin) with 4 US oz. (120 mL) Part C (glazing compound) for 2 minutes. Mix 2 oz. (60 mL) Part B (catalyst) for 2 minutes
- Properly mixed material will be a uniform color without light or dark spots
- As with all two-component systems, apply immediately after mixing, as exotherm will increase over time

Note: When temperature is 60°F (16°C), add 2-1/2 oz. Part B (catalyst) per US gallon. At 80°F (27°C), add 1-1/2 oz. Part B (catalyst) per US gallon

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## **Application**

- Do not allow recommended primer to cure longer than 6 hours prior to application of the first coat of Mid Coat. Re-prime the substrate if overcoating time is exceeded
- Mid Coat: Pour entire liquid mix onto floor in a continuous ribbon. Squeegee or roll out at a rate of approximately 50 sq. ft. per gallon.
- Note: A rough floor will reduce the spread rate of the first coat.
- Broadcast aggregate to excess, leaving a 1 ft. wet edge for next batch.
- Four seed coats are required to build the necessary film thickness.
- Sweep off excess after approximately 30-45 minutes or when set to touch.
- Top Coat: Pour entire mix onto floor in a continuous ribbon. Spread with squeegee or roller to thickness necessary for desired non-skid finish.

### Notes:

- Adequate ventilation must be maintained during application and curing
- The working time will substantially be reduced if the material is left in the mixing pail

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## **Cleaning solvent**

Acetone or other solvent based cleaners

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## ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Tensile Strength (ASTM D638)	9,500 psi (66 MPa)
Compressive strength (ASTM C579)	18,500 psi (128 MPa)
Flexural Strength (ASTM C580)	16,000 psi (110 MPa)
Bond Strength (ASTM C321)	To concrete failure
Taber Abrasion (ASTM D1044, CS-17 Wheel, 1 kg load, 1000 cycles)	35 mg loss
Water Absorption (ASTM C413)	0.024%

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

## Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements

## 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 distributor 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
- Care should be taken to prevent eye and skin contact
- Adequate ventilation to remove solvent must be maintained during application and curing
- Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode
- Contains styrene monomer, which will give off an odor during application

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and 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.



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## REFERENCES

• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SURFACE PREPARATION OF CONCRETE (FLOORS)	INFORMATION SHEET	1496

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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