

PPG NOVAGUARD™ 6200

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

COLOR AND GLOSS LEVEL

- Red, gray, black
- Matte

BASIC DATA AT 20°C (68°F)

Data for mixed product	
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 ft²/US gal for 250.0 mils (1.2 m²/l for 6350 µm)
Dry to walk on	2 hours
Curing time	24 hours
Full cure after	4 days
Shelf life	Base: 9 months Hardener: 12 months

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.

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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
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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
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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)
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SYSTEM SPECIFICATION

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

Cleaning solvent

- Acetone or other solvent based cleaners

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 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.

Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements

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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 or PPG representative for specific instructions and in order to make sure that the product performance can be safeguarded.

SAFETY PRECAUTIONS

- Adequate ventilation to remove solvent must be maintained during application and curing
- Contains styrene monomer, which will give off an odor during application
- Care should be taken to prevent eye and skin contact
- Read all label and Safety Data Sheet (SDS) information prior to use
- Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode

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.

REFERENCES

- Information sheet | Explanation of product data sheets

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