

PPG NOVAGUARD® 6000 Flooring System

Formerly know as 6000 FS

DESCRIPTION

Four-step, multi-layered 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
- USDA acceptable
- TYPICAL USES:
- Food production plants
- Industrial and commercial warehouses
- Suitable for industrial areas with heavy traffic
- Chemical processing facilities
- Suitable for many secondary containment applications

COLOR AND GLOSS LEVEL

- Red, gray, black

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Three + aggregates
Volume solids	95%
VOC (Supplied)	max. 58.0 g/l (approx. 0.5 lb/US gal)
Recommended dry film thickness	250.0 mils (6350 µm) per coat
Theoretical spreading rate	50 ft ² /US gal for 250.0 mils (1.2 m ² /l for 6350 µm)
Dry to walk on	1 hour
Curing time	24 hours
Full cure after	4 days
Shelf life	Base: at least 3 months when stored cool and dry Catalyst (binder): at least 3 months when stored cool and dry

Note:

- 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

- 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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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 Product Data Sheet NOVAGUARD 1900 for important information on product use and application.
 - Mid coat: Mix 1 US gallon (3.8 L) Part A (resin) with 2 US oz. (60 mL) Part B (catalyst) for 2 minutes and pour out on the floor
 - 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
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Application

- Do not allow recommended primer to cure longer than 12 hours prior to application of the first coat. Re-prime the substrate if overcoating time is exceeded
 - Apply mid coat by squeegee or roller
 - Broadcast Part D (aggregate) into excess of the mid coat
 - Allow the surface to cure sufficiently to support foot traffic before sweeping off excess Part D
 - Apply top coat by squeegee or roller
 - Product working time is 20-30 minutes at 75°F (24°C)
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Cleaning procedure

- Cured material may be disposed according to local, state and federal laws and regulations
- All application equipment must be cleaned immediately after use

ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Compressive strength (ASTM C579)	18,500 psi (128 MPa)
Tensile Strength (ASTM D638)	9,500 (66 MPa)
Bond Strength (ASTM C321)	>350 psi (>2.4 MPa); 100% concrete failure
Coefficient of Thermal Expansion (ASTM C531)	1.2x10 ⁻⁵ in./in./°F (2.2x10 ⁻⁵ cm/cm/°C)
Impact Strength (ASTM D4226)	160 in/lbs (18 Nm)
Indentation (MIL-D-3134F)	No Indentation
Taber Abrasion (ASTM D1044, CS-17 Wheel, 1 kg load, 1000 cycles)	35 mg
Water Absorption (ASTM C413)	0.024%
Flexural Strength (ASTM C580)	16,000 psi (110 MPa)

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

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

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



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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.

REFERENCES

- Information sheet | Explanation of product data sheets

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AVAILABILITY OF PACKAGING

Packaging

- 5-gallon kits and 55-gallon drums

