

# PPG FLOORING 4700

formerly sold as Milamar 3700 Pourable Grout

## DESCRIPTION

Three-component, high-strength, chemical resistant polymer grout designed for deep pour projects

## PRINCIPAL CHARACTERISTICS

- 100% solids
- Excellent chemical resistance
- Good impact resistance
- TYPICAL USES:
- Build or repair curbs and pads

## COLOR AND GLOSS LEVEL

- Natural

## BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Three
Volume solids	100%
Curing time	8 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:

- Listed data for mixed product using standard hardener.
- Full cure after reflects maximum chemical resistance at 75°F (24°C)
- Contact PPG Technical Services to determine whether this product will meet your chemical resistance requirements.
- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers
- See ADDITIONAL DATA – Curing time

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.
- 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
- Surface must be acid etched, scarified, or shot blasted to remove laitance.
- Surface texture of 60 grit sandpaper is desired for maximum adhesion

## **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).

## **INSTRUCTIONS FOR USE**

### **Mixing ratio**

- Prior to use, the temperature of all materials should be at least 70°F (21°C) for at least 48 hours
- Mortar: Pour Part B into Part A container and thoroughly mix the two components of the kit together for 1 minute. Slowly add part C and mix for another 1-2 minutes
- Only mix full kits

### **Application**

- Do not apply when temperatures are below 50°F (10°C)
- Cover forms with plastic or release agent to eliminate possible bond between the product and forms. Pour material into the form slowly from one side and allow self-leveling
- Product working time is 45 minutes at 75°F (24°C)

### **Cleaning procedure**

- All application equipment must be cleaned immediately after use
- Clean tools and equipment with acetone or other solvent based cleaners

## **ADDITIONAL DATA**

<b>Physical data of cured material</b>	
<b>Characteristic</b>	<b>Value</b>
Compressive strength (ASTM C579)	16,500 psi
Tensile Strength (ASTM D638)	1,750 psi
Flexural Strength (ASTM C580)	3,500 psi
Bond Strength (ASTM C321)	350 psi; 100% concrete failure



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Curing Time		
Substrate temperature	Dry hard	Full cure
75°F (24°C)	8 hours	96 hours

## 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.
- Chemical resistance properties shown on the data sheet are for general information only. Always check with PPG PMC Technical Support to verify resistance to the specific chemical exposure for the service being considered.

## SAFETY PRECAUTIONS

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

## 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

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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## AVAILABILITY OF PACKAGING

### Packaging

- 1-batch kits

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