

PPG Flooring™ 912 LV

Formerly known as Milamar ICO Primer LV

DESCRIPTION

100% solids, low viscosity penetrating epoxy primer/sealer that can be applied to dry or partially damp surfaces

PRINCIPAL CHARACTERISTICS

- 100% solids
- Low viscosity
- Low odor
- Seals concrete surfaces, helping to eliminate outgassing
- Bonds to dry and damp concrete, masonry, metal and wood
- Roller, squeegee or brush application
- Helps reduce the effects of moisture vapor transmissions
- Compliant with USDA Incidental Food Contact Requirements
- TYPICAL USES:
- Self-priming floor toppings and coatings
- Penetrating primer/sealer for concrete walls and floors

Notes:

- Information Sheet available with test and certification data
- For vertical surfaces, PPG Flooring 912 XT is preferred.
- This product was previously sold as Milamar ICO Primer LV

COLOR AND GLOSS LEVEL

- Clear

BASIC DATA AT 70°F (21°C)

Data for mixed product	
Number of components	Two
Mass density	9.2 lb/US gal (1.1 kg/l)
Volume solids	100%
VOC (Supplied)	EPA Method 24: 0.2 lb/US gal (22.7 g/l)
Theoretical spreading rate	250 ft ² /US gal for 6.0 mils (6.1 m ² /l for 152 µm)
Dry to touch	10 hours
Overcoating Interval	Minimum: Coating should no longer leave residue when touched with a gloved finger Maximum: 18 hours
Curing time	18 hours

PPG Flooring™ 912 LV

Formerly known as Milamar ICO Primer LV

Data for mixed product

Full cure after	7 days
-----------------	--------

Notes:

- Listed data for mixed product using standard hardener.
- Curing time reflects ready for service time
- To expand the recoat time, broadcast an aggregate into primer
- The shelf life for the unmixed components (Part A and Part B) for this product is 12 months at 70°F (21°C).
- Apply at approximately 200-250 ft²/US gallon, depending on surface porosity
- Refer to Application Guide for additional information

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- Surface must be clean, uniform, sound, and free from contamination (such as oil, grease, rust, scale, or deposits).
- All surfaces to be covered should be power washed, shot blasted, acid etched, scarified or sanded to present a clean, sound substrate
- Concrete pH must be 7.0 or higher
- New concrete must cure a minimum of 28 days prior to application of this product

Other Substrates

- Check with PPG PMC Technical Service for preparation instructions for substrates other than concrete.

SYSTEM SPECIFICATION

- Helps block vapor transmissions at the following DFTs, per ASTM F1869:
- At one coat of 6 mil (152 µm): 5 lb/1000 ft²/24 hr (204 g/1000 m²/24 hr)
- At one coat of 10 mil (254 µm): 10 lb/1000 ft²/24 hr (408 g/1000 m²/24 hr)
- At two coats of 10 mil (254 µm) each: 20 lb/1000 ft²/24 hr (816 g/1000 m²/24 hr)

INSTRUCTIONS FOR USE

Mixing ratio

- With standard hardener, Mixing Ratio by Volume: Part A to Part B 77:23 (3.44:1)
- With fast cure (FC) hardener, Mixing Ratio by Volume: Part A to Part B 82:18 (4.63:1)
- With extra fast cure (XFC) hardener, Mixing Ratio by Volume: Part A to Part B 71:29 (2.5:1)
- Mix Part A and Part B together using a low speed Jiffy-type mixer for at least 60 seconds
- For recommended application instructions, see working procedure

Pot life

25 minutes at 21°C (70°F)

Notes:

- The pot life will vary substantially with temperature
- See ADDITIONAL DATA – Pot life



PPG Flooring™ 912 LV

Formerly known as Milamar ICO Primer LV

Application

- Apply the mixed material with a fine nap roller, squeegee or brush
- Re-prime any dry appearing areas
- Do not apply at a thickness of greater than 15 mils (381 µm) per pass.
- Product working time is 85 minutes at 70°F (21°C).
- Product working time is 85 minutes at 50°F (10°C).
- Product working time is 50 minutes at 90°F (32°C)

Note: Working time varies with temperature.

Recommended thinner

No thinner should be added

ADDITIONAL DATA

Working time for product with fast cure (FC) hardener

- Working time is 30 minutes at 50°F (10°C).
- Working time is 30 minutes at 70°F (21°C).
- Working time is 10 minutes at 90°F (32°C).

Pot life for product with fast cure (FC) hardener

- Pot Life is 10 minutes at 50°F (10°C).
- Pot Life is 9 minutes at 70°F (21°C).
- Pot Life is 9 minutes at 90°F (32°C).

Working time for product with extra fast cure (XFC) hardener

- Working time is 22 minutes at 40°F (4°C).
- Working time is 18 minutes at 50°F (10°C).

Pot life for product with extra fast cure (XFC) hardener

- Pot Life is 20 minutes at 40°F (4°C).
- Pot Life is 15 minutes at 50°F (10°C).

Time between recoats at 70°F (21°C)

- Standard hardener: 18 hours
- Fast cure (FC) hardener: 10 hours
- Extra fast cure (XFC) hardener: 8 hours



PPG Flooring™ 912 LV

Formerly known as Milamar ICO Primer LV

Curing time with standard hardener		
Substrate temperature	Dry to touch	Dry to service
50°F (10°C)	40 hours	3 days
70°F (21°C)	10 hours	18 hours
90°F (32°C)	5 hours	9 hours

Note: Maximum hardness achieved after 7 days @ 77°F (25°C)

Curing time with fast cure (FC) hardener		
Substrate temperature	Dry to touch	Dry to service
50°F (10°C)	18 hours	30 hours
70°F (21°C)	5 hours	9 hours
90°F (32°C)	2 hours	4 hours

Note: Maximum hardness achieved after 7 days @ 77°F (25°C)

Curing time with extra fast cure (XFC) hardener		
Substrate temperature	Dry to touch	Dry to service
40°F (4°C)	16 hours	36 hours
50°F (10°C)	10 hours	25 hours

Pot life (at application viscosity)	
Mixed product temperature	Pot life
50°F (10°C)	35 minutes
70°F (21°C)	25 minutes
90°F (32°C)	15 minutes

Note: Listed data is for product with standard hardener.

Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements

DISCLAIMER

- PPG Protective & Marine Coatings does not accept any responsibility or liability for any odor, taste or contamination imparted to the drinking water from the coatings or products retained in the coating



PPG Flooring™ 912 LV

Formerly known as Milamar ICO Primer LV

SAFETY PRECAUTIONS

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

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.

REFERENCES

- EXPLANATION TO PRODUCT DATA SHEETS INFORMATION SHEET 1411

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.

LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.

