

PPG QUICK MENDER® X.O.

DESCRIPTION

Low odor concrete repair product specially designed to repair or patch horizontal concrete surfaces

PRINCIPAL CHARACTERISTICS

- Low odor
- Low viscosity for excellent penetration and absorption
- Dry temperature resistance from -40°F (-40°C) to 250°F (210°C)
- Rapid cure and return-to-service
- Can be mixed with dry industrial quartz, polishing dust, Portland cement, silica flour, fumed silica or Cab-o-sil® to form durable polymer concrete
- TYPICAL USES:
- Repair of horizontal concrete and porous masonry surfaces
- Primer for horizontal concrete and porous masonry surfaces

COLOR AND GLOSS LEVEL

- Typically sold unpigmented.
- Also available in Concrete Gray and Light Gray
- Matte

BASIC DATA AT 77°F (25°C)

Data for mixed product	
Number of components	Two
Mass density	8.8 lb/US gal (1.1 kg/l)
Volume solids	99% ± 2%
VOC (Supplied)	EPA Method 24: 0.06 lb/US gal (7.7 g/l)
Theoretical spreading rate	130-200 ft²/US gal (3.19-4.91 m²/l) depending on porosity of substrate
Dry to touch	20 minutes
Dry to walk on	45 minutes
Overcoating Interval	Minimum: 45 minutes Maximum: 24 hours
Full cure after	14 days

Notes:

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- Listed spreading rate is for mixed Part A & Part B only. Theoretical spreading rate for A, B & C combined is 15 ft²/US gal at 125 mils (0.6 m²/l for 3125 µm)
- If overcoat time is exceeded, abrade and clean surface before recoating
- Higher temperatures will shorten the recoat window
- Curing time reflects ready for service time
- Curing times will be longer for lower temperatures
- The shelf life for the unmixed components (Part A and Part B) for this product is 12 months at 77°F (25°C)
- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers, at temperatures above 60°F (16°C) and below 95°F (35°C)

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete / Masonry

- Surface must be clean, uniform, sound, and free from contamination (such as oil, grease, rust, scale, or deposits)
- Abrade surface to achieve a surface profile equivalent to CSP 3 to CSP 5 in accordance with ICRI 310.2R-2013
- Prepare in accordance with SSPC SP-13 guidelines

Substrate temperature and application conditions

- Substrate temperatures must be greater than 0°F (-18°C)
- The substrate temperature must be at least 5°F (3°C) above dew point
- Moisture content should not exceed 5%
- Slabs on grade should have a maximum moisture content of 3 lbs / 1,000 ft²/24 hours when measured by calcium chloride test

Note:

- For best results in limiting outgassing, apply to prepared concrete when the substrate temperature is stable or falling

SYSTEM SPECIFICATION

- Can be installed as a polymer concrete patching and repair material on horizontal surfaces to strengthen spalled concrete
 - Used as a leveler and resurfacing compound
 - For repairing damaged joint headers
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INSTRUCTIONS FOR USE

Mixing ratio by volume: Part A to Part B 1:1

- Prior to mixing, the temperature of Part A and Part B should each be at least 50°F (10°C)
 - Pre-mix Part B prior to combining with Part A
 - Measure each component using metered buckets
 - Drill mix at low speed for 10 seconds
 - For Polymer Concrete: Slowly add 30 mesh quartz silica or fumed silica to mixed product until desired viscosity is reached. Start with a 1:3 liquid to aggregate ratio, but do not exceed a 1:4 ratio.
 - Properly mixed material will be a uniform color without light or dark spots
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Application

- Apply by spray, brush, roller or squeegee
 - Back roll to ensure proper coverage and absorption
 - Do not use wire wheels or brushes as this can cause burnishing
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Pot life

3 minutes at 77°F (25°C)

Note:

- Listed pot life is 5-6 minutes for product when mixed with aggregate
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Airless spray – Plural component

- Use a component pump and a direct impingement mix spray gun
- Achieve 900 - 1200 psi

Recommended thinner

No thinner should be added

Nozzle pressure

900 - 1200 psi (approx. 62 - 83 bar; 6.2 - 8.3 MPa)

Note:

- A back roll or broom back is still required to ensure proper coverage and absorption.
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Brush/roller

- Detailed work should be done with a roller or brush
 - Avoid pooling or puddling
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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
- 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 PMC representative 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

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

WARRANTY

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