

# DURAPREP® | PREP 88

## DESCRIPTION

Waterborne alkaline cleaner

## PRINCIPAL CHARACTERISTICS

- Excellent cleaning of soiled and chalked surfaces
- Biodegradable
- Emulsifies oils
- Contains no solvents, phosphates, halogens, or petroleum distillates
- Dramatically improves aged overcoatability, saving on costs for secondary surface preparation
- Freezing point: 25°F (-4°C)
- Boiling Point: 212°F (100°C)
- Flash Point: none
- pH 11.5 - 13.0
- Coverage: 1 gallon (diluted 2 parts water to 1 part concentrate) will treat between 1,000 - 1,500 square feet, depending on the configuration of the substrate and application losses

## COLOR AND GLOSS LEVEL

- Clear to slight haze

## BASIC DATA AT 68°F (20°C)

| Data for mixed product |   |
|------------------------|---|
| Number of components   | One   |
| VOC (Supplied)         | max. 0.0 lb/US gal (approx. 0 g/l)          |
| Shelf life             | At least 60 months when stored cool and dry |

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Ambient temperature should be between 40°F (5°C) and 100°F (37°C)
- Material temperature should be between 40°F (5°C) and 90°F (32°C)
- Surface temperature should be between 40°F (50°C) and 100°F (37°C) (pre-cool the surface by water rinsing prior to application of Prep 88 if required)

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## INSTRUCTIONS FOR USE

- 1. Shield any surfaces not intended to be treated
- 2. Wear appropriate eye protection and avoid contact with skin
- 3. Pre-clean any heavy residues by power washing
- 4. If steel temperatures exceed 100°F (37°C), pre-cool the steel by water washing to prevent Prep 88 from drying on the surface prematurely. Do not apply under freezing conditions
- 5. Mix Prep 88 with fresh, clean water according to the instructions below:
  - LIGHT CLEANING (NO VISIBLE CONTAMINANTS): 3 parts water to 1 part concentrate
  - GENERAL CLEANING AND RESOTRING OVERCOATABILITY: 2 parts water to 1 part concentrate
  - HEAVY SOILING, GREASY RESIDUES: 100% concentrate
- 6. Prep 88 can be applied with a low pressure sprayer (garden sprayer, etc.), brush, or roller
- 7. Apply generously to the surface, ensuring all areas are thoroughly wetted. Caution should be used on complex structures to ensure Prep 88 can be applied to all areas and subsequently rinsed.
- 8. Scrub with a nylon brush as needed for cleaning heavy residues
- 9. Allow Prep 88 to dwell on the surface for the following times based on the surface temperatures:
  - 40°F: 20 - 30 minutes
  - 70°F: 10 - 20 minutes
  - 90°F: 10 - 15 minutes
  - 100°F: 5 - 10 minutes
- Do not allow Prep 88 to dry on the surface. If product does dry on the surface, a second application of Prep 88 will be required to dissolve the dried residue.
- 10. Power wash the surface to thoroughly rinse all traces of Prep 88 from the surface. Ensure the surface pH has been neutralized (7.5 maximum). Failing to remove Prep 88 from the surface will be detrimental to the performance of successive coats.
- 11. Allow the surface to dry thoroughly prior to overcoating.
- 12. Protect surfaces from contamination prior to overcoating. Apply coatings within the following timeframe of Prep 88 application:
  - 40°F - 50°F: 48 hours
  - 51°F - 70°F: 36 hours
  - 71°F - 90°F: 32 hours
  - >90°F: 24 hours

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### Product specific overcoatability guide when Prep 88 is used

- AGED ACRYLIC POLYURETHANE: atmospheric, ambient temperature service / overcoated by epoxy, PSX or polyurethane --> overcoatable after treatment
- AGED EPOXY, FREELY CHALKING: atmospheric, ambient temperature / overcoated by epoxy, PSX, or polyurethane --> overcoatable after treatment
- AMERCOAT 370, 385, 235, 240, 399, AMERLOCK 2/400, PITTGUARD EPOXY: atmospheric, ambient temperatures / overcoated by epoxy --> overcoatable after treatment
- AMERCOAT 370, 385, 235, 240, 399, AMERLOCK 2/400, PITTGUARD EPOXY: atmospheric, ambient temperatures / overcoated by polyurethane --> overcoatable after treatment for up to 3 months from initial application
- PPG EPOXIES: ambient water immersion / overcoated by PPG epoxies --> extend maximum overcoat window by 50%
- PPG EPOXIES: severe duty\* / overcoated by PPG epoxies --> extend maximum overcoat window by 20%

#### Notes:

- \*Severe duty includes heavy impact / abrasion, elevated temperatures, polluted (waste) water immersion (not recommended for chemical tank lining service)
- \*\*Other product specific recommendations may be available based on previous testing. Contact PPG PMC Technical Service for details or expectations.

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## SAFETY PRECAUTIONS

- See Material Safety Data Sheet and product label for complete safety and precaution requirements

## 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

|  |                   |      |
|--|-------------------|------|
| • CONVERSION TABLES  | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS   | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS   | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD | INFORMATION SHEET | 1431 |

## 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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| Product code | Description        |
|--------------|--------------------|
| PREP788      | Duraprep / Prep 88 |

Note: Available in 1-gallon and 5-gallon kits

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