



New Guard Coatings Group

- A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

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

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.

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.ppgmc.com. The English text of this sheet shall prevail over any translation thereof.

Product code	Description
PREP788	Duraprep / Prep 88

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

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