



Effective 28 October, 2005

DP8140

UNIVERSAL PRIMER

Description

2-component chromate-free epoxy DuPont™ Marine Finishes Universal Primer.
Ideal primer for the use on above and below the water area of yacht and pleasure crafts.
Colour: grey.
Composition based on epoxy resin.

Products

DP8140	DuPont™ Marine Finishes Universal Primer
DP8145	DuPont™ Marine Finishes Universal Primer Activator
3871S	DuPont™ Thinner

Auxiliary products

DP8130	DuPont™ Marine Finishes Alu Grip Primer
3910WB	DuPont™ Waterborne Degreaser
3911WB	DuPont™ Final Clean
3919S	DuPont™ Prepsol
3920S	DuPont™ Degreaser

Properties

- Very good corrosion and chemical resistance.
- Excellent adhesion on properly treated metal substrates.
- Excellent prevention primer against gelcoat osmosis and blistering.
- Recommended as a first coat over new steel constructions.
- Very good filling properties. Suitable for use over rough substrates e.g. gritblasted metals.
- High humidity resistance and very good flexibility.
- Recommended as a primer for all DuPont™ Marine Finishes systems.

Substrates

Following specifications listed in the DuPont™ Marine Finishes Manual and in particular:

- bare metals: steel, aluminium and galvanised steel;
- well prepared gelcoat, cured and sanded fairing and cured repaired finishes.

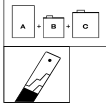









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PRODUCT PREPARATION

	Mixing ratio	DP8140 DP8145 3871S	Volume	Weight
			7 3 0 to 0.4	100 35 0 to 6
	VOC	476 to 511 g/l		
	Pot life at 20°C	12 hr		
	Spray viscosity at 20°C	DIN 4 FORD 4 AFNOR 4	> 150 s > 150 s > 150 s	
	Spray equipment	Gravity feed HVLP Pressure feed/Airmix Airless	Fluid tip	Distance
			2.2-3.0 mm 2.0-2.6 mm 1.6 mm 0.017"/65°-80°	20-30 cm 15 cm 20-30 cm 20-30 cm
	Spray pressure	Gravity feed Suction feed HVLP Pressure feed Airless	3.5-4.5 bar 3.5-4.5 bar 0.7 bar at nozzle 3.5-4.5 bar 140-200 bar	
	Number of coats	2 to 4		
	Flash time at 20°C	Between coats till flat with maximum of 3 days. Before recoating:	minimum	maximum
		2K primers topcoats	1 hr 5 hr	3 days 3 days
	DFT	80 to 225 µ		
	Dry to sand at 20°C	16 hr		

This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.



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RECOMMENDED USE

Surface preparation

Following specifications listed in the DuPont™ Marine Finishes Manual and in particular:

Bare metals (steel and galvanised steel)

- Clean substrate with a suitable nitrocellulose thinner.
- Gritblast surface up to Sa 2 ½ to eliminate all traces of rust and corrosion.
- Blow surface to eliminate dust and blasting media.
- Apply primer till recommended film build.

Bare glass fibre

- Clean surface with water and soap. Rinse and dry.
- Degrease with 3919S or 3910WB. Wipe dry.
- Dry sand with P80 - P120.
- Clean with 3920S or 3911WB.
- Wipe dry before priming.

Remarks

- As osmosis prevention primer, apply 3 to 4 coats to achieve film build of 200 to 240 µ.
- On bare aluminum, apply 1 coat of DP8130 followed by 2 coats of DP8140.
- Activated material should not be returned to original can of non-activated material.
- DP8140 can be applied by brush if no reducer is added to the activated material.
- Material has to be stirred well before use.
- Close can of DP8145 tightly immediately after use, as this product will react with humid air and water and lose its hardening effect.
- Material has to be at room temperature (18-25°C) before use.

Recoatability

At any time after full cure and sanding.

After minimum 1 hr at 20°C and maximum 3 days at 20°C without sanding.

Equipment cleaning

Use 3871S.



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RECOMMENDED USE (con'd)

Product data	
Package viscosity:	10.500 cp
Volume solids:	44 % ± 2 %
Film build:	Wet: 180 μ Dry: 80 μ
Theoretical coverage:	5.6 m ² /l at 80 μ DFT - ready-to-spray 2.0 m ² /l at 25 μ DFT - ready-to-spray

Products	Packages (l)	Storability at 20°C (year)	Density (kg/l)
DP8140	3.5	2	1.225
DP8145	1.5	2	0.980
3871S	5	2	0.839
DP8130	3,55	2	1.137
3910WB	5	2	0.975
3911WB	5	2	0.945
3919S	5 - 20	2	0.811
3920S	5 - 20	2	0.776

Safety

Consult Material Safety Data Sheet prior to use. Observe the precautionary notices displayed on the container.