



## Technical Data Sheet

### PowerProtect Primer

<b>Description:</b>	PowerProtect Primer is a 2-component epoxy - polyamide primer, which contains zinc phosphate as a corrosion protection pigment. This primer hardens to become a strong protective paint finish against corrosion.		
<b>Recommended application:</b>	As an all-purpose primer within the PowerProtect System for all concrete, metal and steel surfaces in moderately to highly corrosive marine and industrial atmospheres.		
<b>Product information:</b>	<b>Note:</b>		
<b>Appearance:</b>	matt		
<b>Colour:</b>			
<b>Number:</b>	203725095		
<b>Solids:</b>	61.4%		
<b>Theor. coverage:</b>	6 m <sup>2</sup> per litre		
		as per DIN 53219 with 80 µ when dry	
<b>Flash point:</b>	25° C		
		Abel Pensky	
<b>Density:</b>	mixed: 1.4		
<b>Drying time:</b>	3 - 4 hours		
		at 20° C	
<b>Curing time:</b>	1 week (fully hardened)		
<b>Application details:</b>			
<b>Mixture:</b>	Base colour = Hardening agent I 210 1012 - 7 : 1 by weight		
<b>Application method:</b>	Airless spraying                      air spraying                      brush		
<b>Dilution:</b>	NC Verd.                                      NC Verd.                                      NC Verd.		
<b>Pot life:</b>	8 hours at 20° C		
<b>Nozzle aperture:</b>	.021" = 0.53 mm		
<b>Flow pressure:</b>	175 bar		
	Data for airless spraying may be subject to modification		
<b>Cleaning</b>			
<b>Tools:</b>	with solvents		
<b>Coating thickness:</b>	80 µ dry (160 µ wet)		
<b>Repainting interval:</b>	min. 6 hr. at 20° C		



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**Surface pre-treatment:**

**New steel:** Thoroughly clean the steel of dirt such as greases, oils, etc. Grease and oil solvents which do not form a film are recommended. Damage and dirt as a result of storage and processing must be careful removed before painting proceeds  
**Light alloys:** careful degreasing and light sandblasting- if needed - in order to remove all impurities.  
**Maintenance:** Remove oil and grease. Remove salt and other impurities by pressure-washing. Remove rust and loosely adhering surface material by blasting or mechanical cleaning. Patch up to the existing layer thickness.

**Application conditions:**

Only apply to clean, dry surfaces. PowerProtect primer may only be used where the application and hardening can take place above 10° C. The temperature of the surface and the paint must likewise be above this limit. The temperature of the surface must be above the dew point to avoid condensation. Ensure sufficient ventilation in enclosed spaces during application and drying.

**Subsequent paint finish:**

PowerProtect-AC

**Note:**

Depending on the intended purpose the product may also be specified in other coating thicknesses. This will influence the yield, the drying time and the repainting interval. The maximum repainting interval refers to surfaces which are exposed to periodic wetting, heavy condensation, chemical influences and/or abrasion. Under other conditions of use there is no maximum repainting interval for PowerProtect products. Before painting, after storage in a dirty environment, the surface must be carefully pressure-washed with fresh water and dried. If the max. repainting interval of 7 days has been exceeded, the surface must be roughened to achieve good intercoat adhesion.

**Safety:**

Safety labels on the packaging should be observed to the letter. To complement these, national or local safety rules are to be followed. Generally speaking, breathing in of solvent vapours or paint mist, as well as contact of liquid paint with skin and eyes is to be avoided. Ensure there is ventilation in enclosed spaces. If spraying, always wear a fresh air mask and normal protective clothing.