

## Technical Data Sheet

### PowerProtect – AC

**Description:** PowerProtect - AC gloss paint is a two-component polyurethane gloss paint. It is highly resistant to water, blows, abrasion and exposure to atmospheric influences while at the same time providing excellent gloss and colour fastness. It is easy to clean.

**Recommended application:** As a finishing coat on steel and concrete surfaces which are exposed to aggressive environmental influences such as industrial atmospheres, salt water or coastal climates where permanent gloss finishing coats which are not subject to yellowing are desired.

**Product information:**

<b>Appearance:</b>	high gloss	<b>Note:</b>	
<b>Colour:</b>	all RAL colour shades		other shades on request
<b>Number:</b>			
<b>Solids:</b>	approx. 60%		DIN 53219
<b>Theor. coverage:</b>	approx. 10 m <sup>2</sup> per litre		50 µ dry
<b>Flash point:</b>	24° C		Abel Pensky
<b>Density:</b>	1.1		
<b>Drying time:</b>	8 hours		at 20° C
<b>Curing time:</b>	7 days		at 20° C

**Application details:**

<b>Mixture:</b>	Base colour A : Hardening agent B = 10:1 by weight		
<b>Application method:</b>	airless spraying	brush	
<b>Dilution:</b>	6384 (5%)	6384 (5%)	
<b>Pot life:</b>	6 hours at 20° C		
<b>Nozzle aperture:</b>	017 - 0.1911" = 0.43 - 0.48 mm		
<b>Flow pressure:</b>	150 bar		

Data for airless spraying may be subject to modification

<b>Cleaning tools:</b>	with solvents
<b>Coating thickness:</b>	50 µ dry (100 µ wet)
<b>Repainting interval:</b>	min. 16 hours max. 3 months; see Note

**Application conditions:** Apply only to clean, dry surfaces with a temperature of min. 3° C above the dew point, to avoid condensation. Minimum temperature – 10° C for hardening. Be careful of iced-over surfaces. Humidity max. 80%, preferably not higher than 65%. High humidity and/or condensation during the application and the following 24 hours have a negative effect on the film formation. Ensure sufficient ventilation in enclosed spaces during application and hardening.

**Prior coat:** PowerProtect primer for steel, metal and concrete surfaces

**Subsequent paint finish:** **None**

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**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.

In any case, a completely clean surface is a pre-condition for good intercoat adhesion, particularly in the event of long intervals. Remove oil and grease. Remove salt and other impurities by pressure-washing. Before painting, check the effectiveness of cleaning on a test area. In the event that the maximum repainting interval has been exceeded, the surface must be roughened to achieve good adhesion. The hardening agent is sensitive to humidity. Store in a dry place and keep the container tightly closed. Take care when opening since pressure may have built up inside.

**Safety:**

Safety labels on the packaging should be observed to the letter. Basically, breathing in solvent vapours and paint mist, as well as contact of liquid paint with skin and eyes is to be avoided. Ensure there is ventilation in enclosed spaces. Only handle painting materials while wearing a breathing mask and normal protective clothing.

All data given in the data sheets has been gathered on the basis of tests and results in practice under controlled and specified conditions. No guarantee can be accepted as to their accuracy or completeness. We equally recommend DIN 55928 to be observed. Data may be subject to modification.

14.10.09