

Surface Protector

Technical Data Sheet:
362-41 / **S8009**

1. Introduction	<p>S8009 ALEXSEAL[®] Surface Protector is a water-based one component material that cures into a flexible coating which is used for temporary protection of painted and unpainted surfaces to prevent for scratching, soiling and weather influences during construction and transport of yachts.</p> <p>The easy stripping of the tear-resistant protective film remains intact even after ageing and accelerated temperatures. Depending the circumstances or coated material up to 1 year.</p> <p>To ensure easy removal of the foil, a minimum dry film thickness of 100 microns (3 mils) is required; various application methods include spray and rolling.</p>	
2. Range of application	<p>S8009 ALEXSEAL[®] Surface Protector may be used on virtually any non-porous surface including cured paint, gelcoat, metals and other smooth surfaces that require protection during the construction stages or storage of yachts and their components. It is strongly recommended that a test application be performed to confirm suitability for each surface that requires to be protected. S8009 ALEXSEAL[®] Surface Protector should not be left on the painted surface longer than 6 months.</p>	
3. Color	Light Gray	
4. Coverage	<p>Coverage for S8009 ALEXSEAL[®] Surface Protector will vary upon method of application.</p> <p>Volume Solids: 40 %</p>	
Theoretical:	4 m ² / l (163 sq. ft. per gallon) at minimum recommended dry film thickness of 100 microns (4 mils).	
Practical:	<p>Conventional Air Spray Equipment: 2.1 m² / l (86 sq. ft. per kilo) at recommended dry film thickness of 100 microns (4 mils).</p> <p>HVLP Air Spray Equipment: 2.6 m² / l (107 sq. ft. per kilo) at recommended dry film thickness of 100 microns (4 mils).</p> <p>Brush / Roller / Airless Spray Equipment: 3.5 m² / l (143 sq. ft. per kilo) at recommended dry film thickness of 100 microns (4 mils).</p>	
5. Substrate pre-treatment	<p>S8009 ALEXSEAL[®] Surface Protector is applied directly onto the cured coating or the bare substrate. To ensure optimum removal of the protective foil, the substrate should be smooth and clean. Coated surfaces should be clean, fully cured and resistant to water.</p> <p>Tests must be carried out before application / production to check whether the material is suitable for the particular substrate.</p>	
6. Trade names	Base Material	S8009 ALEXSEAL [®] Surface Protector
	Reducer	water
7. Mixing ratio	No mixing is required.	This single component material only needs stirring
	Spraying Reduction	approx. 10 to 20 % (vol.) water
	Rolling Reduction	max. 10 % (vol.) water
8. Application	Viscosity (Din 6 mm cup)	approx. 40-50 sec.
	Fluid Nozzle Size	2.0 - 2.5 mm - Conventional & HVLP
	Atomising Pressure	2.0 to 3.5 bar - Conventional & HVLP
	Pot Pressure	0.7 to 1.5 bar (10 to 20 PSI) - Conventional & HVLP
	Airless Equipment	Tip 0.38 - 0.48mm-40'-60' / 0.015 - 0.019 - 40'-60'
	Airless Equipment	Pressure 3.0 to 5.0 bar (42 to 70 PSI)

Professional Use Only

Page 1 of 2

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Application by spraying: Apply one coat to a total wet film thickness (WFT) of 250 microns (10 mils). This will achieve a dry film thickness (DFT) of 100 microns (4 mils) for an application, using 10 % reduction. Allow a minimum of 1 hour between coats. Minimum recommended film thickness is 100 microns (4 mils) DFT. It is very important not to create any overspray with this product because it may be difficult to remove.

Application by brush/rolling: Apply two, three coats to a minimum wet film thickness (WFT) of 250 microns (10 mils). The first coat should dry to a tape dry stage before applying the second coat. This will achieve a total dry film thickness (DFT) of 100 microns (4 mils) for a 2 coat application. Minimum recommended film thickness is 100 microns (4 mils) DFT.

9. Pot life This is a single component air dried product.

10. Drying

Temperature for minimum time	15°C (60°F)	20°C (68°F)	25°C (77°F)	30°C (85°F)	Max Time
Pot Life - approx.	N/A	N/A	N/A	N/A	N/A
Tape Dry	28 hrs	24 hrs	20 hrs	16 hrs	N/A
Fully Cured	48 hrs	42 hrs	36 hrs	28 hrs	N/A
Recoat with itself	4 hrs	2 hrs	1 hr	1 hr	None

Note: The above chart reflects approximate minimum and maximum time. Surface temperature, air flow, direct or non-direct sunlight and film thickness will effect actual times during application.

During the drying phase the minimum temperature is 15°(60°F). Ideal temperature is 25°C (77°F). High humidity will cause this product to dry slower than low humidity. Ideal humidity: 60 %.

11. Packaging S8009 ALEXSEAL[®] Surface Protector 10 kg & 25 kg

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Page 2 of 2

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