

# Surface Protector

Technical Data Sheet:  
362-71 / **S8010**

## 1. Introduction

ALEXSEAL Surface Protector is a water-based one component material that cures into a flexible coating which is used for temporary protection of painted surfaces to prevent light scratching, soiling and weather influences during construction and transport of yachts.

The easy stripping of the tear-resistant protective film remains intact for up to 6 months even after ageing and accelerated temperatures.

## 2. Range of application

ALEXSEAL Surface Protector may be used for the protection of fully cured topcoat surfaces, glass or stainless steel surfaces during storage, assembly or transport. ALEXSEAL Surface Protector should not be left on the freshly painted surface longer than 6 months.

Note: It is strongly recommended that a test application is performed to confirm suitability for each surface that requires temporary protection. Do not apply over unpainted gelcoat, polycarbonates or wood. Do not apply other ALEXSEAL products over ALEXSEAL Surface Protector.

## 3. Color

Light Blue

## 4. Coverage

Volume Solids: 50 %

Note: Coverage for ALEXSEAL Surface Protector is based on a transfer efficiency of 100%. Actual coverage will vary depending on method of application and equipment choice.

	m <sup>2</sup> / liter	m <sup>2</sup> / gal	sq. ft. / gal	@ DFT in μm (mils)
<b>Theoretical</b>	4,9	18,6	200	100 ( 4 )

## 5. Substrate pre-treatment

ALEXSEAL Surface Protector is applied directly onto the cured coating or the bare substrate. Allow ALEXSEAL Premium Topcoat 501 to cure for a minimum of 10 days at 20°C (68°F) before applying ALEXSEAL Surface Protector. Make sure that all spot repairs or freshly painted surfaces cure as mentioned before. Airflow, temperature and humidity strongly influence the drying time of the topcoat and consequently the over coating time. The surface must be clean, dry and free from grease, oil and other contaminants.

Tests must be carried out before application / production to check whether the material is suitable for the particular substrate.

## 6. Trade names & Packaging

S8010 ALEXSEAL Surface Protector 5 Gallon

ALEXSEAL Surface Protector is a waterbased product and should be kept from freezing.

## 7. Mixing ratio

ALEXSEAL Surface Protector is a single component product and only needs stirring thoroughly prior to application. ALEXSEAL Surface Protector must not be reduced.

## 8. Application

ALEXSEAL Surface Protector can be applied with spray equipment and roller.

For the most consistent and smooth results use spray application. Avoid sags, runs and other defects, as this may result in marks on the finish.

Viscosity	N.A.
Nozzle Size Gravity Gun	2.5 to 3.0 mm (0.100 to 0.120) - Conventional
Fluid Nozzle Size Pressure Pot	2.0 to 2.5 mm (0.790 to 0.980) - Conventional
Atomizing pressure (Gravity Gun)	1.7 to 2.4 bar (25 to 35 PSI) - Conventional
Atomizing pressure (Pressure Pot)	2.0 to 2.8 bar (30 to 40 PSI) - Conventional
Pot pressure	1.0 to 2.0 bar (15 to 30 PSI) - Conventional

**Professional Use Only**

**Page 1 of 2**

The information contained in this data sheet is based on our level of research and development. Revisal by the user with regard to the intended aim is necessary due to the diverse processing and application possibilities. Any liability on part of Mankiewicz for faulty applications and / or improper use is expressly excluded. The processing of the product must be fully documented by means of a paint application protocol.  
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**Application by spraying:** Apply one coat to a total wet film thickness (WFT) of 150-250 microns (6-10 mils). This will achieve a dry film thickness (DFT) of 75-125 microns (3-5 mils) for an application. To ensure easy removal of the material, a minimum dry film thickness of 75 microns (3 mils) is required. It is very important not to create any overspray with this product because it may be difficult to remove. Remove overspray as soon as possible using a wet towel or sponge.

**Application by rolling:** Apply two to three coats to a minimum wet film thickness (WFT) of 150 microns (6 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. Roll each subsequent coat on perpendicular or diagonal direction to the previous coat.

**Note:** When applying ALEXSEAL Surface Protector it is recommended to tape off the outside edges as well as any gaps between doors or lids, hinges, hardware or other surface obstructions to make the removal of the dried film easier. Once the ALEXSEAL Surface Protector is applied remove the tape to create clean edges and lines that will allow the material to be removed easily and in large continuous sheets. If the Surface Protector is allowed to penetrate into gaps and crevices it will be much more difficult to remove. Masking tape should be "wet pulled" to avoid peeling the coating when dry. Clean equipment immediately and thoroughly with water.

**Removal:** Allow ALEXSEAL Surface Protector to dry completely. To remove, lift an edge and peel off. The product should be peeled with temperatures between 10°C (50°F) and 32°C (90°F), with best results between 18°C (65°F) and 24°C (75°F). At cooler temperatures, the coating may not peel in one piece. At higher temperatures, the coating may exhibit higher adhesion. ALEXSEAL Surface Protector may leave a very light haze on the topcoat surface. Usually this haze self-corrects after a short time (24 hours). If the effect is still visible wash down the area with A5005 ALEXSEAL Premium Wash Down (see separate TDS).

**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
Fully Cured	48 hrs	42 hrs	36 hrs	28 hrs	N/A
Recoat with itself	2 hrs	2 hrs	1 hr	1 hr	None

Note: The above chart reflects approximate minimum and maximum time. Surface temperature, airflow, 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 %.