Suede Coating 702

Technical Data Sheet: 450-22 / 23
S series

1. Introduction

ALEXSEAL® Suede Coating is a luxurious and durable decorative yacht finish. Its unique elastic matte finish offers a warm suede-like look and feel to a variety of yacht components. Due to the unique application characteristics of the product, it is recommended to apply this finish on removable parts in case repairs are required. Ease of application over a majority of substrates, including plastics and vinyl, make it ideal for production environments.

2. Range of application

Due to its decorative character and color range ALEXSEAL® Suede Coating 702 is suitable for high-quality utility goods: car, aircraft and yacht interiors, furniture, lighting, office machines, computer and audio units, optical instruments, and switch-panels. The non-glare properties of ALEXSEAL® Suede Coating 702 make it particularly suitable for functional finishes, e.g. anti-glare instrument faces, gauges, switch-panels and other removable parts.

3. Color

ALEXSEAL® Suede Coating 702 is available in standard factory packaged colors only. Refer to the color card or price list for part numbers.
Due to the character of ALEXSEAL® Suede Coating 702 there may be color deviations from batch to batch.

4. Coverage

Volume Solids catalyzed without reduction: whites 42 %, colors 38 %.
Coverage for ALEXSEAL® Suede Coating 702 in one application period.
Note: Coverage rates are figured for base and converter. Reducer is added as percent of total quantity base & converter.

	m² / liter	m² / gal	sq. ft. / gal	Rec. DFT in µm (mils)
Theoretical	5	19	54	50-75 (2 - 3)
Practical				
Conventional Air Spray Equipment	3	11.4	32	50-75 (2 - 3)
HVLP Air Spray Equipment	3.8	14.4	41	50-75 (2 - 3)

5. Substrate pre-treatment

The substrate must be clean, dry and free from dust and grease.

To achieve optimum performance and adhesion ALEXSEAL® Suede Coating 702 should always be applied over the suitably colored ALEXSEAL® Suede Primer 701 (see color card or price list for appropriate coating color selection).

Due to the variety of plastics combined with numerous application methods, tests must be carried out before application and production in order to check the substrate's surface and adhesion properties. Tests must be also carried out regarding the thinner to be used.

6. Trade names

Base Material	S….	ALEXSEAL® Suede Coating 702 (Base Color)
Converter	C7752	ALEXSEAL® Suede Coating 702 Converter
Reducer Standard	R7097	ALEXSEAL® Suede Reducer 702 / 701 Standard
Reducer Slow	R7093	ALEXSEAL® Suede Reducer Slow

7. Mixing ratio

7 parts by volume	S….	ALEXSEAL® Suede Coating 702 (Base Color)
1 part by volume	C7752	ALEXSEAL® Suede Coating 702 Converter
10 to 20 % by volume	R7097	ALEXSEAL® Suede Reducer 702 / 701 Standard
or	R7093	ALEXSEAL® Suede Reducer Slow

Example: 7 : 1 : $^{3}/_{4}$ up to $1^{1}/_{2}$ = 10 to 20 % reduction

The amount of reducer required may vary depending on the application conditions.

Professional Use Only

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8. Application

Viscosity	Zahn #2: ≈ 50 - 75 sec, DIN 4 cup 4mm: approx. 40 - 60 sec
Nozzle Size Gravity Gun	1.5 to 1.8 mm (0.059 to 0.070)
Nozzle Size Siphon Cup	1.4 to 1.8 mm (0.055 to 0.070)
Fluid Nozzle Size Pressure Pot	1.4 mm (0.055)
Atomizing Pressure	3.0 to 4.0 bar (42 to 56 PSI)
Pot Pressure	0.7 to 1.5 bar (10 to 20 PSI)

Application by Spraying: Apply 1 cross coat to a wet film thickness (WFT) of 140 - 200 microns (4 - 5 mils) total thickness. This will achieve a dry film thickness (DFT) of 50 - 75 microns (2 - 3 mils). Maximum recommended film thickness during a spray application is 200 microns (5 mils) WFT, or 50 microns (3 mils) DFT. A cross coat application will insure a more uniform finish. ALEXSEAL® Suede Coating 702 must appear glossy or wet just after being applied. It will dry to a matte finish. Large surfaces may require slow reducer.

9. Pot life and Drying

Optimal application environment range - min. 15°C (60°F) 40% RH, up to max. 30°C (85°F) 80% RH

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.	90 min	60 min	55 min	45 min	90 min
Dust Free	45 min	30 min	15 - 30 min	15 min	N/A
Tape Dry	16 hrs	14 hrs	12 hrs	2 hrs	N/A
Fully Cured	5 days	4 days	2 - 3 days	2 days	N/A

Note: The above chart reflects approximate minimum and maximum time. Surface temperature, air flow, direct or non-direct sunlight, quantity and or choice of reducer, and film thickness will effect actual tack up, recoat, overcoat, and drying times during application. During the drying phase the minimum temperature is 15°C (60°F). Ideal temperature: 25°C (77°F). The minimum application condition should be 3°C (5.4°F) above dew point.

10. Packaging

S….	ALEXSEAL® Suede Coating 702 (Base Color)	0.89	Liter
C7752	ALEXSEAL® Suede Coating 702 Converter	0.125	Liter
R7097	ALEXSEAL® Suede Reducer 702 / 701 Standard	1	Liter
R7093	ALEXSEAL® Suede Reducer Slow	1	Liter

Note

Color Consistency: **ALEXSEAL® Suede Coating 702 colors are available in many different color shades. Due to the unique finish of this product, color variations can be expected. Variations from batch to batch cannot be avoided.**

Spot Repairs: Application should be restricted to removable parts and panels to make future repairs easier. Inconsistencies in color, texture, and finish may be experienced when spot repairs are attempted with this finish. It is recommended to re-spray the entire part if repairs are required.

Texture: The application results may be influenced by the painter's application technique, varying application parameters (spraying method, drying) as well as the use of different substrates.

Pigmentation: Instead of mineral and organic pigments, polymer beads, dyed in different colors, are used for the production of ALEXSEAL® Suede Coating 702. Due to their size, these beads are visible as single particles in the dried coating. This beaded or salt and pepper effect is what makes the coating difficult to spot repair.

Prior to starting a project, an application of this product to sample panels is strongly recommended to verify satisfactory color, texture and overall finish.

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