

Suede Primer 701

Technical Data Sheet: 450-20
P7492 / P7473 / P7478

- 1. Introduction** ALEXSEAL® Suede Primer 701 is a two component epoxy primer. Together with ALEXSEAL® Suede Coating 702 it provides excellent adhesion properties over many substrates including polyamide and thermosetting plastics as well as a variety of metals.
- 2. Range of application** Due to the fast drying characteristics of ALEXSEAL® Suede Primer 701 it is ideal for over coating with ALEXSEAL® Suede Coating 702 without sanding. This quick drying application process reduces the time needed to prime and paint parts for a variety of applications on yachts.
- 3. Color** White, Light Gray and Anthracite. Due to the character of ALEXSEAL® Suede Coating 702 the color of the primer should be similar to the color of the topcoat (use light primer under light topcoat). See the ALEXSEAL® Suede Coating 702 color card or price list for the recommended color of ALEXSEAL® Suede Primer 701.
- 4. Coverage** Coverage for ALEXSEAL® Suede Primer 701 in an application period.
- Theoretical:** 8 m² / l (86 sq. ft. per liter) at recommended dry film thickness of 20 - 30 microns (1 mil).
- Practical:** **Conventional Air Spray Equipment:** 4.8 m² / l (52 sq. ft. per liter) at recommended dry film thickness of 25 microns (1 mil).
HVLP Air Spray Equipment: 6 m² / l (65 sq. ft. per liter) at recommended dry film thickness of 25 microns (1 mil).
- 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 primer color selection).
- Due to the variety of plastics combined with numerous application methods, tests must be carried out regarding the reducer to be used before application and production in order to check the substrate's surface and adhesion properties.
- 6. Trade names**
- | | | |
|---------------|-------|--|
| Base Material | P7492 | ALEXSEAL® Suede Primer 701, White |
| | P7473 | ALEXSEAL® Suede Primer 701, Light Gray |
| | P7478 | ALEXSEAL® Suede Primer 701, Anthracite |
| Converter | C7451 | ALEXSEAL® Suede Primer 701 Converter |
| Reducer | R7097 | ALEXSEAL® Suede Reducer 702 / 701 Standard |
| | R7093 | ALEXSEAL® Suede Reducer Slow |
- 7. Mixing ratio**
- | | | |
|----------------------|-------|--|
| 7 parts by volume | P... | ALEXSEAL® Suede Primer 701 |
| 1 part by volume | C7451 | ALEXSEAL® Suede Primer 701 Converter |
| 25 to 35 % by volume | R7097 | ALEXSEAL® Suede Reducer 702 / 701 Standard |
| or | R7093 | ALEXSEAL® Suede Reducer Slow |
- Example: 7 : 1 : 1¼ up to 2½ = 25 to 35 % reduction

Professional Use Only

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8. Application	Viscosity (DIN 53211-4)	approx. 20 sec ± 2 sec
	Fluid Nozzle Size	1.2 to 1.5 mm (0.046 to 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 coat to a wet film thickness (WFT) of 50 microns (2 mils) total thickness. This will achieve a dry film thickness (DFT) of 25 microns (1 mil). Maximum recommended film thickness during a spray application is 1 coat totaling 50 microns (2 mils) WFT, or 25 microns (2 mils) DFT. A cross coat application will insure a more uniform finish.

9. Pot life and 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.	3 hrs max	3 hrs max	3 hrs max	2 hrs max	N/A
Dust Free	1 hr	45 min	30 min	30 min	N/A
Tape Dry	4 - 5 hrs	3 - 4 hrs	2 - 3 hrs	2 hrs	N/A
Fully Cured	36 hrs	30 hrs	24 hrs	18 hrs	N/A
Over-coat with ALEXSEAL® Suede Coating 702	60 min	30 min	15 min	15 min	24 hrs

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

During the drying phase the minimum temperature is 15°C (60°F) and a relative humidity of below 50 % is required. Ideal temperature is 25°C (77°F).

To achieve optimal adhesion between ALEXSEAL® Suede Coating 702 and ALEXSEAL® Suede Primer 701 the primer must be over-coated within 24 hours.

10. Packaging	P7492	ALEXSEAL® Suede Primer 701, White	0,86	Liter
	P7473	ALEXSEAL® Suede Primer 701, Light Gray	0,86	Liter
	P7478	ALEXSEAL® Suede Primer 701, Anthracite	0,86	Liter
	C7451	ALEXSEAL® Suede Primer 701 Converter	0,123	Liter
	R7097	ALEXSEAL® Suede Reducer 702 / 701 Standard	1	Liter
	R7093	ALEXSEAL® Suede Reducer Slow	1	Liter

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