

# Suede Coating 702

Technical Data Sheet:  
450-22 / **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** See the ALEXSEAL® Suede Coating 702 color card. Due to the character of ALEXSEAL® Suede Coating 702 there may be color deviations from batch to batch.
- 4. Coverage** Coverage for ALEXSEAL® Suede Coating 702 in an application period.
- Theoretical:** 5 m<sup>2</sup> / l (54 sq. ft. per liter) at recommended dry film thickness of 50 - 75 microns (2 - 3 mils).
- Practical:** **Conventional Air Spray Equipment:** 3 m<sup>2</sup> / l (32 sq. ft. per liter) at recommended dry film thickness of 50 - 75 microns (2 - 3 mils).  
**HVLP Air Spray Equipment:** 3.8 m<sup>2</sup> / l (41 sq. ft. per liter) at recommended dry film thickness of 50 - 75 microns (2 - 3 mils).
- 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 : ¼ up to 1½ = 10 to 20 % reduction

**Professional Use Only**

**Page 1 of 2**

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|                       |                         |                                |
|-----------------------|-------------------------|--------------------------------|
| <b>8. Application</b> | Viscosity (DIN 53211-4) | approx. 50 to 60 sec           |
|                       | Fluid Nozzle Size       | 1.4 to 1.8 mm (0.055 to 0.070) |
|                       | 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 100 - 125 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 125 microns (5 mils) WFT, or 75 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

| 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                     | 6 hrs       | 4 hrs       | 2 - 3 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, choice of reducer speed, and film thickness will effect actual times during application.

Drying parameters may be adjusted by use of different ALEXSEAL® Suede Reducers. During the drying phase the minimum temperature is 15°C (60°F) and a relative humidity of below 50 % is recommended. Ideal temperature is 25°C (77°F). In warmer temperatures and on large surfaces, ALEXSEAL® Suede Reducer Slow is recommended.

|                      |       |  |      |       |
|----------------------|-------|--|------|-------|
| <b>10. Packaging</b> | S...  | ALEXSEAL® Suede Coating 702 (Base Color)   | 0,89 | Liter |
|                      | C7752 | ALEXSEAL® Suede Coating 702 Converter      | 0,13 | 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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**Page 2 of 2**

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