

NEXTEL® Suede Coating 3101

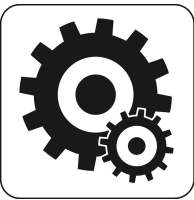
Technical Datasheet 428-04

Characteristics



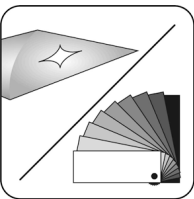
- Two-component topcoat which may be used to produce a matte suede-like surface
- Conveys a warm, textile-like appearance: "soft look" - "soft feeling".
- Owing to diffuse scattering the cured film offers a totally non-glare surface, as yet unequalled by conventional coatings.
- Diffuse scattering of the irradiated light (dark colour shades: 3 to 6 %; extremely light colour shades: approximately 75 %).
- Due to its specific technological stability and non-glare properties it may be used to obtain matte surfaces for decorative purposes.

Range of Application



- The non-glare properties of NEXTEL Suede-Coating 3101 make it suitable for application to functional coatings, e.g. anti-glare dials, gauges and switchboards.
- Due to its decorative character and extensive color range NEXTEL Suede-Coating 3101 may also be applied to superior designer objects, e.g. booth construction, optical measuring instruments, switchboards and used to upgrade plastic surfaces.
- Due to the large variety of application methods it is necessary for the user to carry out tests with regard to the intended use.

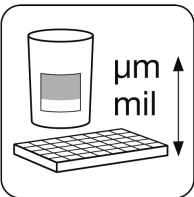
Color and Gloss



Color: please refer to the NEXTEL standard color chart

Due to the special character of NEXTEL Suede-Coating 3101 it is not always possible to avoid slight color deviations from batch to batch.

Theoretical Coverage



Area	Quantity	Film thickness
approx. 320 m ²	1 l	1 µm (0.04 mil)
approx. 12,000 sq.ft	1 gal	1 µm (0.04 mil)
approx. 3,000 sq.ft	1 qt	1 µm (0.04 mil)

Recommended dry film thickness: 50 - 70 µm (2 - 3 mil)

240-160 sq. ft per gal @ 50-70 µm (2-3 mil)

60-40 sq. ft per qt @ 50-70 µm (2-3 mil)

Surface Pre-treatment



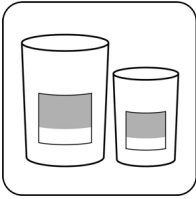
- Should always be applied onto a NEXTEL primer which matches the color of the final coating.
- Due to the variety of substrates combined with numerous application methods tests must be carried out prior to the start of serial production in order to check the substrate's surface and coating appearance. Tests must also be carried out regarding the thinner to be used.



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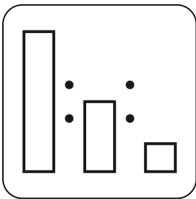
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Trade Names and Packaging



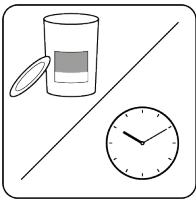
Material	Trade name	Container size [net]
Base material	NEXTEL Suede-Coating 3101	1 l, 5 l, 20 l, 0.89 qt, 0.89 gal
Hardener	NEXTEL Hardener 6018	incl. NEXTEL Hardener 6018, 3.52 oz, 0.89 pint
Thinner 1	NEXTEL Thinner 8061	1 l, 5 l, 25 l, 1 qt
Thinner 2	NEXTEL Thinner 901-68	1 l, 5 l, 25 l, 1 gal
Thinner 3	NEXTEL Thinner 901-2D	5 kg, 25 kg, 1 qt, 1 gal, 5 gal

Mixing



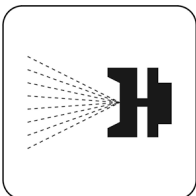
	Base	Hardener
Trade name	NEXTEL Suede-Coating 3101	Nextel Hardener 6018
By weight	8	1
By volume	8	1

Pot Life



Min. 60 at 20 °C minutes, depending on temperature, humidity and environmental conditions

Application



	Compressed air spraying
Addition of thinner	10 - 37 % NEXTEL Thinner 8061 / NEXTEL Thinner 901-68 or 15 - 42 % NEXTEL Thinner 901-2D
Viscosity / Efflux time (DIN 53211-4)	40 - 65 s
Nozzle size	1.0 - 1.8 mm (0.04 - 0.07 inch)
Spraying pressure	3 - 4 bar (43.5 - 58.0 psi)

Please review the technical recommendations of the equipment manufacturers.

For application at room temperatures of 20 - 25 °C (68 - 77 °F) and a relative humidity of 50 to 65 % the use of thinners 8061 and 901-68 is recommended.

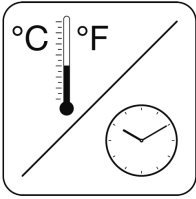
For application at room temperatures of 25 - 35 °C (77 - 95 °F) and a relative humidity of 50 to 65 % the use of thinner 901-2D is recommended.



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Drying



	20 °C (68 °F) drying	80 °C (176 °F) drying
Flash-off time at 20 °C (68 °F)	-	10 - 15 min
Dust-dry	30 - 40 min	-
Assembly-dry		30 - 40 min

The temperature specified is the object temperature.

Additional Details



Store between 5 - 35 °C (41 - 95 °F) in original, unopened containers (acc. to DIN 3840:2007).

The information contained in this document is based on our current state of research and development. Revisal by the user with regard to the intended purpose is necessary due to the variety of processing options and fields of application – please refer to the General Terms and Conditions of Sale.

