

# NEXTEL® Velvet-Coating 811-21

Technical Datasheet 811-21

## Characteristics



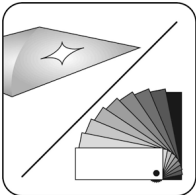
- Special black topcoat used to create matte and completely anti-glare surfaces
- By diffuse scattering only 2 % of the irradiated light will be reflected - irrespective of the angle of Incidence. 98% of the irradiated light will be absorbed
- Specific technological stability
- Features good resistance to condensate and temperature stability
- High resistance to shock and impact

## Range of Application



- For application to surfaces whenever light reflection is to be avoided, e.g. instrument scales, optical instruments and scientific equipment

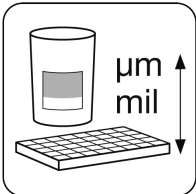
## Color and Gloss



Color: jet black  
Gloss: dull matte

reflectance value  $\leq 2/85^\circ$  (DIN 67530 / ISO 2813)

## Theoretical Coverage



Area	Quantity	Film thickness
436 m <sup>2</sup>	1 l	1 $\mu$ m

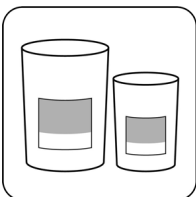
Recommended dry film thickness: 45 - 55  $\mu$ m

## Surface Pre-treatment



- Is applied directly onto the appropriately cleaned / pre-treated substrate, e.g. metal substrates, thermoplastics and duroplasts.
- The use of NEXTEL Primer 5523 is advisable on difficult surfaces, such as aluminium, and to improve adhesion, mechanical resistance and corrosion protection.

## Trade Names and Packaging



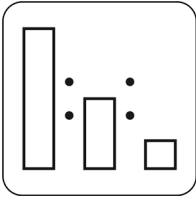
Material	Trade name	Container size [net]
Base material	NEXTEL Velvet-Coating 811-21	1 l, 10 l
Thinner	NEXTEL Verdünner 8061	1 l, 5 l, 25 l



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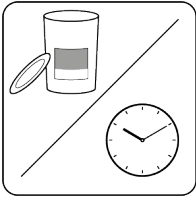
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## Mixing



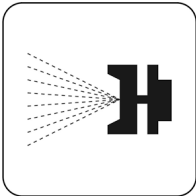
Depending on the application method, 5-10% thinner can be added.

## Pot Life



Without restriction within the scope of application of single-component systems.

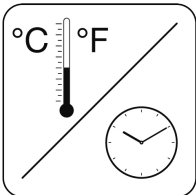
## Application



	Compressed air spraying
Addition of thinner	approx. 5 %
Efflux time (DIN 53211-4)	not measurable
Nozzle size	1.5 - 1.8 mm
Spraying pressure	approx. 3.0 bar

Please review the technical recommendations of the equipment manufacturers.

## Drying



	20 °C drying	80 °C drying	120 °C drying
Flash-off time at 20 °C	-	30 min	30 min
Dust-dry	15 -20 min	-	-
Assembly-dry	approx. 6 h	60 min	30 min

The temperature specified is the object temperature.

## Additional Details



Store between 5 - 35 °C 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.

