

CELEROL® FST Coating 362-80

Technical Datasheet 362-80

Characteristics



- Waterborne, polyurethane-based one-component topcoat
- Smooth and textured surfaces possible
- Quick-drying
- Low heat release
- High abrasion resistance
- High resistance to contamination and cleaning agents
- VOC contents < 200 g/l
- Fulfils the FST properties of the aerospace industry with regard to:

Flammability

FAR/JAR/CS § 25.853 (a) and App. F, Part I § (a) (1) (I)

Smoke Gas Density

FAR/JAR/CS § 25.853 (d) and App. F, Part V § (b)

Toxicity

ABD 0031 and AITM 3.0005

Heat Release

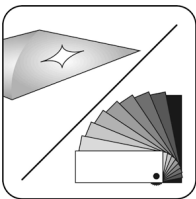
FAR/JAR/CS § 25.853 (d) and App. F, Part IV § (h)

Range of Application



For the decorative surface design of cabin interiors in the aerospace industry.

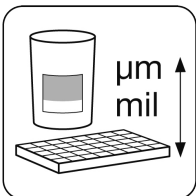
Color and Gloss



Color: available in colour shades for industrial series production

Gloss: mat, Semi-gloss

Theoretical Coverage



Area	Quantity	Film thickness
310 m ²	1 kg	1 µm
9 m ²	1 kg	35 µm

Recommended dry film thickness: 35 - 45 µm (1.4 - 1.8 mil), depending on the colour shade



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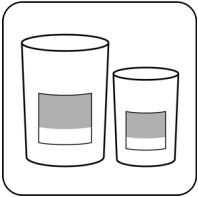
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Surface Pre-treatment



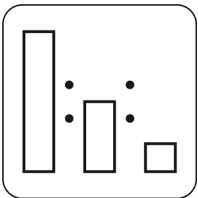
- May be applied in most cases directly on to the clean primer/substrate.
- A wide adhesion range allows the recoating of old paint and decor foils.
- The recoating time of the paint layer underneath must be observed. For further details please refer to the latest version of the relevant technical datasheet.

Trade Names and Packaging



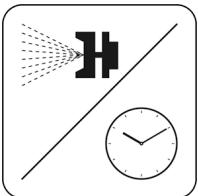
Material	Trade name	Container size [net]
Base material	CELEROL FST Coating 362-80	5 L US gal, US quart
TUK (Touch Up Kit)	CELEROL FST Coating 362-80	30 ml US gal, US quart

Mixing



One-component material, no mixing ratio.

Pot Life



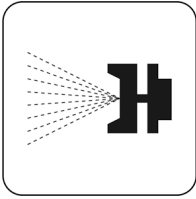
Without restrictions within the scope of application of one-component systems



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Application



Single-layer application, smooth surface

Thinner addition	0 - 20 %
Flow time (DIN EN ISO 2431 - 6 mm)	30 - 40 s
Nozzle size	1,4 - 2,0 mm
Spraying pressure	1,5 - 4,0 bar (21.8 - 58.0 psi)

Two-layer application, pearl texture

1st work step

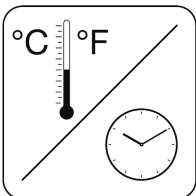
Thinner addition	0 - 10 %
Flow time (DIN EN ISO 2431 - 6 mm)	30 - 40 s
Nozzle size	1,4 - 2,0 mm
Spraying pressure	1,5 - 4,0 bar (21.8 - 58.0 psi)

2nd work step

	fine texture	coarse texture
Thinner addition	0 - 5 %	5 - 15 %
Nozzle size	1,4 - 2,0 mm	1,5 - 2,5 mm
Spraying pressure	1,0 - 4,0 bar	0,2 - 2,0 bar

Please observe the technical recommendations of the equipment manufacturers.
Flow time is measured without water addition.

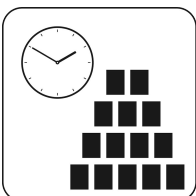
Drying



	20 °C (68 °F) drying / 50 % RH
Dust-dry	approx. 15 min
Assembly-dry	1 - 2 h

The temperature specified is the object temperature.

Shelf Life



Material	Shelf life
Base material	18 months

The storage data specified relates to unopened original containers.

The recommended temperature during storage and transport is

5 – 35 °C (41 - 95 °F)

Protect from frost!



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Additional Details



The substrate and the film thicknesses applied have an impact on the compliance with the requirements of the aerospace industry.

Please refer to GTI 46 – Water-dilutable coating materials for industrial series production.

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.

