

SEEVENAX® Grundbeschichtung 113-22

Technical Datasheet 113-22

Characteristics



- Chromate-containing two-component epoxy-based primer
- Extremely high corrosion resistance
- High chemical and mechanical resistance
- Excellent adhesion on pre-treated metal substrates

Range of Application



A high-quality coating for structural parts of the aviation industry.

Qualified according to:

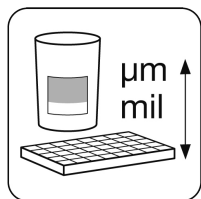
- AIMS 04-04-001 (Airbus)
- AIMS 04-04-003 (Airbus)
- AIMS 04-04-038 (Airbus)
- AIMS 04-04-040 (Airbus)
- AMS 3095
- SP-J-513-A-0016 I/A (Eurofighter)
- SP-J-513-A-0013 I/A (Eurofighter)
- TL 8010-0001 / KI II / Typ 4 (BW)

Color and Gloss



Color: yellow green
Gloss: mat

Theoretical Coverage



Area	Quantity	Film thickness
20 m ²	1 kg	15 µm
24 m ²	1 L	15 µm
960 ft ²	1 gal	0.6 mil

Recommended dry film thickness: 15 - 25 µm (0.6 - 1.0 mil)

Surface Pre-treatment



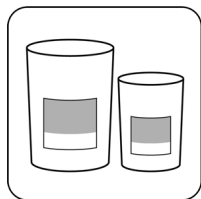
according to OEM spec.



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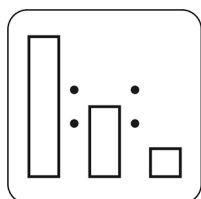
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Trade Names and Packaging



Material	Trade name	Container size [net]
Base material	SEEEVENAX Grundbeschichtung 113-22	6 kg, 20 kg
Hardener	SEEEVENAX Hardener 135-20	1,8 kg, 6 kg
Thinner	SEEEVENAX Verdünner/Thinner 75	1 kg, 5 kg, 25 kg
TUK (Touch Up Kit)	SEEEVENAX Grundbeschichtung 113-22	45 ml (mixed)

Mixing



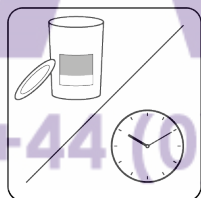
	Base	Hardener	Thinner
Trade name	SEEEVENAX Grundbeschichtung 113-22	SEEEVENAX Hardener 135-20	SEEEVENAX Verdünner/Thinner 75
By weight	10	3	1.3 - 2.0
By volume	2.2	1	0.5 - 0.7

Flow time at standard conditions (23 °C / 73 °F at 50 % RH)

DIN 53211 4 mm: 14 - 18 s

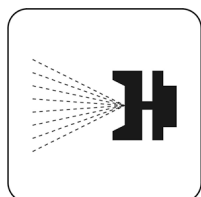
ISO 2431 3 mm: 65 - 100 s

Pot Life



6 h at standard conditions (23 °C / 73 °F at 50 % RH)

Application



	Compressed Air Spraying	Airless spraying
Nozzle size	1.2 - 1.5 mm	0.28 - 0.33 mm / 60 °
Pressure	2.5 - 5.0 bar (36 - 73 psi)	2 - 3 bar (29 - 44 psi) Airmix
Material Pressure	-	120 - 150 bar (1741 - 2176 psi)

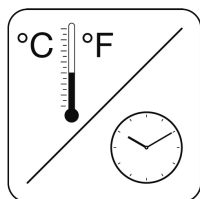
Please observe the technical recommendations of the equipment manufacturers.



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Drying



Prior to oven drying, flash off for 10 minutes (23 °C / 73 °F, 50 % rH).

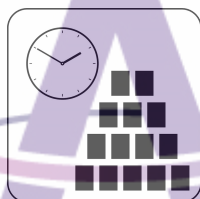
	23 °C (73 °F)	60 °C (140 °F)	80 °C (176 °F)
Dust free (TG 1)	60 min	10 min	5 min
Dry to handle (TG 3)	3 h	20 min	10 min
Dry to tape	6 h	30 min	20 min
Dry to sand	6 h	2 h	1 h
Dry to overcoat	3 - 72 h	30 min	30 min
Full cure	7 d	-	-

The temperature specified is the object temperature.

Drying times according to DIN 53150 and AITM 2-0011.

If SEEVENAX Primer 113-22 is used in combination with an Exterior-Decorative-Coating-System please respect an overcoating window of 3 - 72 h.

Shelf Life



Material	Shelf life
Base material	24 months
Hardener	12 months
Thinner	24 months
TUK	6 months

The storage data specified relates to unopened original containers.

The recommended temperature during storage and transport is 5 – 35 °C (41 - 95 °F).

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Additional Details



This product contains chromate compounds which are subject to authorisation in acc. with REACH Appendix XIV. This product may only be applied for the authorised use (see table below). The user of this product is solely responsible for the application of this product in compliance with the authorisation decision and according to legal requirements. Specific exposure scenarios will be made available as part of the updated MSDS.

Authorisation No.	Authorised Use
REACH/20/7/14	Application of primers and specialty coatings in the construction of aerospace and aeronautical parts, including aeroplanes / helicopters, spacecraft, satellites, launchers, engines, and for the maintenance of such constructions for the aerospace sector in which any of the following key functionalities is required: corrosion resistance, adhesion of paint / compatibility with binder system, layer thickness, chemical resistance, temperature resistance (thermal shock resistance), compatibility with substrate or processing temperatures

Please be informed, that according to Article 66 of the REACH Regulation ((EC) No. 1907/2006) any company using this product needs to notify ECHA about their use, unless they are also holders of authorisation for the use. The notification has to be made within three months of the first supply of this product after the authorisation decision has been published in the Official Journal of the European Union (06/04/2020). Else, their use is not in compliance with the REACH Regulation.

Further information about the downstream user notifications process can be found at:

<http://echa.europa.eu/support/dossier-submission-tools/reach-it/downstream-user-authorized-use>

For additional application information refer to the respective application recommendation or contact your local Mankiewicz support Center.

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.

