

9700 X70 DTM, HS enhanced adhesion coat

Ver.: 2022-6

9710 X71 DTM Matt, HS enhanced adhesion matt coat

Description

This matt clear coat is suitable for application directly on metal substrates that require a matt finish. The coating emphasizes metal appearance and protects the surface from weather influences at the same time. X71 can be mixed with 9700 X70 DTM clear coat to achieve semi-matt, satin or semi-gloss appearance.

Features & Benefits

- excellent adhesion to aluminium, galvanized steel, steel ...
- easy application
- gloss level: 100 % (X70 9700)
- gloss level: 5 % (X71 9710)
- X70 and X71 can be mixed in any proportion with for different gloss levels
- high durability and resistance to yellowing
- hardener: 9075/9085 (vol. 2:1)

Substrate preparation



Iron: P80 - 120 (dry) SA2 ½ sanding

Steel: P80 - 120 (dry) or sanding

Phosphatized steel: Scuffing pad + matting paste

Galvanized steel: Scuffing pad + matting paste

Light metals: Scuffing pad + matting paste

Fibber reinforced plastics: P240 (dry)

For application on Diamond prepared aluminium, adhesion of 9710 X71 Matt is limited. 9700 X70 should be used as a priming clear on Diamond cut prepared aluminium and then followed with 9710 X71.



The surface must be totally dry, degreased with a high-quality degreaser (9515).

The product has good adhesion on metals without prime coat. It is best to do an adhesion test due to different substrates.

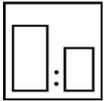
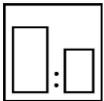
In case of application on sanded surface it is necessary to do the painting immediately after sanding.

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Mixing ratio

	X70	Mixing ratio /9700	<u>By volume</u>
		9700 X70 DTM	2
		9075/9085 Hardener	1
	X71	Mixing ratio /9710	<u>By volume</u>
		9710 X71 DTM Matt	2
		9075/9085 Hardener	1
		7050 Thinner	30 – 50 %

Gloss levels (weight %)

	Matt 1 Flatt	Matt 2 Matt	Matt 3	Matt 4 Satin	Matt 5 Semi-Gloss	Glossy
% of gloss	5 -10 %	10 – 20 %	20 – 30 %	30 – 45 %	60 - 65 %	100 %
X71 matt	100	90	80	75	70	0
X70 glossy	0	10	20	25	30	100
Hardener 9075/9085	2 : 1					
Thinner 7050	30 – 50 %	30 – 40 %	30 %	30 %	30 %	0 %

9700 and 9710 can be mixed in all other mixing ratios to achieve the desired matt/gloss level.

Application

	Spray gun setup (Gravity feed):	1,2 – 1,4 mm / 1,5 – 2,0 bar
	Spray gun setup (Suction feed):	Verify manufacturer's info
	Number of coats:	2 – 3
	Flash off:	5 – 7 min

Drying

	Touchdry (20°C/68°F):	8 – 12 h
	Touchdry (60°C/140°F):	30 min
	Thickness of dry film:	40 – 50 µm
	Potlife (20°C/68°F):	>60 min

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Complementary products

- 9075 HS acrylic hardener
- 9085 HS acrylic hardener
- 9700 X70 DTM
- 9710 X71 DTM Matt
- 7050 Thinner

Testing of the material

Any kind of testing of the applied material (adhesion test, stone-chip test, chemical resistance, salt chamber test, ...) must be done at least 15 days after the application.

Technical information

Specific weight 9700: 0,965 - 0,980 kg/L

Specific weight 9710: 1,05 – 1,06 kg/L

Shelf life: Min. 24 months from the production date under normal storage conditions and unopened can.

VOC

VOC 2004/42/IIB(e) (840) <600 g/L

Safety and health

For Health, Safety and Environmental instructions please refer to relevant Safety Data Sheets and labels on the cans. Storage conditions should also be considered.

Prod. Nr.	Description	Volume	Packaging Box
9700-1	Glossy	1 L	6
9700-5	Glossy	5 L	3
9710-1	Matt	1 L	6

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Table 1.1 – Mixing ratio by weight for 9700 (2:1)

Volume of RFU paint required (ml)	Weight: Clearcoat	Weight: Clear Coat + Hardener
100	67	100
250	167	250
330	220	330
500	333	500
750	500	750
1000	667	1000

Table 1.2 – Mixing ratio by weight for 9710 (2:1 + 30%)

Volume of RFU paint required (ml)	Weight: Clearcoat	Weight: Clear Coat + Hardener	Weight: Clear Coat + Hardener + Thinner
100	58	86	101
250	146	215	253
330	193	284	334
500	292	431	506
750	438	646	758
1000	583	861	1011

Additional Information

FOR PROFESSIONAL USE ONLY!

Always read the instructions.

IMPORTANT: This product contains hazardous substances at work so it is necessary to always use/wear appropriate protective equipment. For further instructions, check the label on the product and safety data sheet. A person who uses the product for any purpose other than recommended in this technical data sheet, acts at his own risk. It is the user's responsibility to take all necessary steps to fulfil the local legislation.

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public.

Information and methods described are based on the best information and practices known to us and serve merely as guidelines for optimal use, without liability to performance, results or fitness for any intended use. We do not accept any responsibility for the behaviour of the product or damage arising from the use of the product. Before using the product, the user must check if this is the latest version.

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