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9710 X71 DTM Matt

This direct-to-meta clear coats (9700 and 9710) are suitable for application directly on metal substrates. The coating emphases metal appearance and protects the surface from weather influences at the same time. 9710 X71 matt clear coat can be mixed with 9700 X70 clear coat to achieve semi-matt, satin or semi-gloss appearance.

- 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 to achieve different gloss levels
- high durability and resistance to yellowing
- hardener: 9085 (vol. 2:1)

Substrate preparation

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 blast-sanded surface it is necessary to do the painting immediately after blast-sanding.

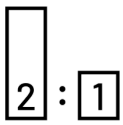
- **Iron:** P80 - 120 (dry) SA2 ½ sanding
- **Steel:** P80 - 120 (dry) or sanding
- **Phosphatized steel:** Scuffing pad + matting paste
- **Galvanized steel:** Scuffing pad + matting paste
- **Light metals:** Scuffing pad + matting paste. Aluminium parts should be overpainted as soon as the scuffing was done (within 5-15 minutes). Later oxidation occurs, which reduces further adhesion.
- **Fiber 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.

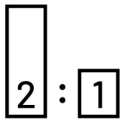
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Mixing ratio



	By volume
9710 X71 DTM Matt	2
9085 Hardener	1
7030/7050 Acrylic Thinner	30 - 50 %
Full table of mixing ratio by weight is available at the end of this TDS.	



	By volume
9700 X70 DTM	2
9085 Hardener	1
7030/7050 Acrylic Thinner	/
Full table of mixing ratio by weight is available at the end of this TDS.	

Application



Number of layers:	2 - 3	
Dry-film thickness [µm]:	40 - 60	

Spray gun setup

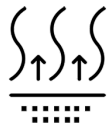


Nozzle:	1,2 - 1,4 mm
Pressure (upper cup):	1,5 - 2 bar
Pressure (suction cup)	Verify manufacturers' info

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Flash-off [20 °C/68 °F]



Between coats [20 °C]:	5 - 7 min	
Before baking [20 °C]:	5 min	
Important - Not respecting the prescribed flash-off times between the layers can result in unsatisfactory end results of the clear coat.		

Drying



Dust dry [20 °C]:	30 - 40 min
Dry to assemble [20 °C]:	8 - 12 h
Dry to assemle [60 °C]	30 min
Potlife [20 °C]:	60 min

Complementary products

9085 HS hardener, Standard
7050 Acrylic Thinner, Standard

Testing of material

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

Packaging

Product no.	Description	Volume/Weight	Packaging [pcs/box]
9700-1	Glossy	1 L	6
9710-1	Matt	1 L	6

Volatile organic compounds

The VOC value for this product is 570 g/L
The product category is VOC 2004/42/IIB(e)(840).

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Shelf life

Min. 12 months from the production date under normal storage conditions and unopened can.

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.

Table - Levels of gloss [%]

	MATT 1 Flatt	MATT 2 Matt	MATT 3	MATT 4 Satin	MATT 5 Semi-Gloss	Glossy
	0 - 10 %	10 - 20 %	20 - 30 %	30 - 45 %	60 - 65 %	100 %
X71 DTM Matt	100	90	80	75	70	0
X70 DTM Glossy	0	10	20	25	30	100
Mixing ratio	2 : 1					
Thinner	30 - 50 %	30 - 40 %	30 %	30 %	30 %	/
9700 and 9710 can be mixed in all other mixing ratios to achieve the desired matt/gloss level.						

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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