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9410 X41 Matt



X41 matt clear was coats specially developed to reproduce a wide range of gloss levels by mixing it with X5 clear coat. Easy application delivers good looking smooth matt/semi-gloss appearance. The system is suitable for full body or panel repair.

Features & Benefits

- Easy to apply, easy to reach a uniform finish without clouds
- Uniform low gloss/matt effect (9410)
- Uniform semi-gloss effect (using X5)
- Smooth surface, high scratch resistance

Substrate preparation

It is not recommended that Matt- and Semimatt clearcoat are applied over water-based basecoat if it is applied on 1-component primers (1818/7025/7026).In this case the occurrence of basecoat wrinkling is possible. This is not observed when using solvent-based basecoat on 1-component primers.

Possible solutions: (1) Use 7100 M10 Sealer in combination with 7035 4Plastic additive for priming plastic parts for wet-on-wet application. (2) Use 9900 M9 Surfacer or 7080 M8 Acryfill in combination with 7035 4Plastic additive for priming plastic parts. (3) Use traditional 1K plastic primer (7014 or 7015) for priming plastic parts. In all cases (1 to 3) the preparation of the plastic part needs to be performed according to the respecting TDS of the primer.

When applying a masking tape onto the original matt finish, the tape must be removed before baking to avoid marking of the original finish which may not recover.

The 9400/9410 clearcoats must be applied on top of a clean and dust-free basecoat. The light use of a tack cloth is recommended after the basecoat has flashed off. Care should be taken to avoid dirt inclusion at all stages of painting. Removal of dirt inclusion in matt finishes is not possible after the final coat of clearcoat.

Mixing ratio

3 : 1

	By volume
9410 X41 Matt	3
9220/9230/9250/9270 2K Hardener	1
7050 Thinner	30 - 50 %

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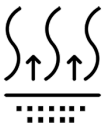
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Spray gun setup



Nozzle:	1,2 – 1,4 mm
Pressure (upper cup):	1,8 - 2,0 bar
Pressure (suction cup):	Verify manufacturers' info

Application



Number of layers:	2
Flasf-off:	10 min
Flasf-off before baking:	30 min
Dry film thickness:	40 – 50 µm
Application temperature	15 – 30°C (59-86°F)
The gloss level can depend on several factors: type of application (cross-over or not); flash off times between layers and before baking, applying the mist layer or not, end film thickness.	

Drying time



Dust free (20°C/68°F)	10 min
Assembly dry [20 °C/68°F]:	18 - 24 h
Assembly dry [60 °C/140 °F]:	30 min
Potlife [20°C/68°F]:	30 min

Testing of the 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.

Complementary products

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- 9050 X5 Clear Coat
- 9230 (fast), 9250 (standard), 9270 (slow) 2K Hardener
- 7050 Maxx Thinner (standard)

Packaging

Product number	Description	Volume/Size	Pcs per box	
9410-1	Matt	1 L	6	

Volatile organic compounds

The VOC value for this product is 680 g/L
The product category is VOC 2004/42/IIB(e)(840).

Shelf life

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

Mixing ratio by weight

Volume of RFU paint required	**CLEARCOAT**	**CLEARCOAT + HARDENER**	**CLEARCOAT + HARDENER + THINNER**
(ml)	(g)	(g)	(g)
100	67	89	101
250	166	222	252
330	220	293	332
500	333	445	503
750	499	667	755
1000	665	889	1007

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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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Table - Levels of gloss [%]

	MATT Flatt	MATT 2 Matt	MATT 3	MATT 4 Satin	MATT 5 Semi-Gloss
	The following gloss levels apply to the example of using a black solid basecoat.				
	0 - 5 %	10 - 15 %	15 - 20 %	30 - 35 %	55 - 65 %
9410 X41 Matt	100	80	75	65	55
9050 X5	/	20	25	35	45
Mixing ratio	3 : 1 + 50 %	2 : 1 + 40 %	2 : 1 + 40 %	2 : 1 + 40 %	2 : 1 + 30 %

MATT 1 (3 : 1 + 50%) 0 - 5 % matt

Volume of RFU paint required	9410 X41	9050 X5	CLEARCOAT + HARDENER	CLEARCOAT + HARDENER + THINNER
(ml)	(g)	(g)	(g)	(g)
100	56	0	74	98
250	140	0	185	246

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330	185	0	244	325
500	281	0	369	492
750	421	0	554	738
1000	562	0	738	984

MATT 2 (2 : 1 + 40%) 10 - 15 % matt

Volume of RFU paint required	9410 X41	9050 X5	CLEARCOAT + HARDENER	CLEARCOAT + HARDENER + THINNER
(ml)	(g)	(g)	(g)	(g)
100	43	11	80	98
250	108	27	199	246
330	143	35	262	325
500	217	53	398	492
750	325	80	596	739
1000	434	106	795	985

MATT 3 (2 : 1 + 40%) 20 - 25 % matt

Volume of RFU paint required	9410 X41	9050 X5	CLEARCOAT + HARDENER	CLEARCOAT + HARDENER + THINNER
(ml)	(g)	(g)	(g)	(g)
100	41	13	79	98
250	102	33	199	246
330	134	44	262	325
500	203	66	397	492
750	305	100	596	738
1000	407	133	795	984

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MATT 4 (2 : 1 + 40%) 30 - 35 % matt

Volume of RFU paint required	9410 X41	9050 X5	CLEARCOAT + HARDENER	CLEARCOAT + HARDENER + THINNER
(ml)	(g)	(g)	(g)	(g)
100	35	19	79	98
250	88	47	198	246
330	116	61	262	324
500	176	93	397	492
750	264	140	595	737
1000	352	186	794	983

MATT 5 (2 : 1 + 30%) 50 - 60 % matt

Volume of RFU paint required	9410 X41	9050 X5	CLEARCOAT + HARDENER	CLEARCOAT + HARDENER + THINNER
(ml)	(g)	(g)	(g)	(g)
100	31	25	84	104
250	79	63	209	259
330	104	83	276	342
500	157	126	418	518
750	236	189	628	778
1000	315	253	837	1037