

Matting Paste 444

FOR PROFESSIONAL USE ONLY

Description

Two-pack, matting agent formulated to reduce the gloss level of high gloss 2K paints. If mixed in conjunction with one of the mentioned Sikkens single stage topcoats any desired gloss level can be achieved by reducing the gloss level.

Product and additives

Matting Paste 444 can be used in:

Topcoats Autocryl Plus LV (5.2.78)
Autocryl Plus (5.2.49)
Autocryl (5.2.1)

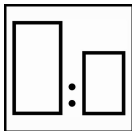
Gloss level adjustments

Mixing Matting Paste 444 by weight with any amount of: Autocryl, Autocryl Plus, Autocryl LV 420 or Autocryl Plus LV. According to the mixing ratio used, the visual gloss impression varies from high gloss to a fully matt finish visible in the Structure Gloss level Swatch which contains a number of colour samples of standard car body parts with their specific gloss levels. These gloss level gradations can be achieved by mixing the appropriate formula.

The gloss level in this swatch is an impression and therefore must be judged like that. For accurate gloss level judgment it is preferred to spray own colour gloss level spray out samples.

Mixing with Matting Paste 444 by weight

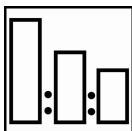
In case you are not using a standard colour formula, different colour matting shades can be achieved according to the indicated mixtures below.



Topcoat	Gloss level		Topcoat by weight		Matting Paste 444 by weight
Autocryl	Semi-matt	100	Autocryl	50	Matting Paste 444
	Matt	100	Autocryl	100	Matting Paste 444
Autocryl Plus	Semi-matt	100	Autocryl Plus	50	Matting Paste 444
	Matt	100	Autocryl Plus	125	Matting Paste 444
Autocryl Plus LV	Semi-matt	100	Autocryl Plus LV	75	Matting Paste 444
	Matt	100	Autocryl Plus LV	150	Matting Paste 444

Stir the topcoat thoroughly with the matting paste 444 before mixing with hardener and reducer.

Mixing

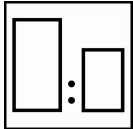


Mixing ratios with the hardener / reducer, according as mentioned in the topcoat TDS.

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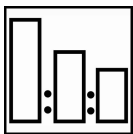
Mixing ratios by volume with Autocryl Plus LV



		Autocryl Plus LV	Matting Paste 444
Semi matt	Over 80% of R110 and R454	70 parts	30 parts
	All other colors	50 parts	50 parts
Matt		30 parts	70 parts

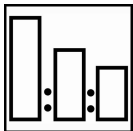
Stir the mixture thoroughly before adding hardener and reducer

Mixing



When using **less** than 50% of Matting Paste 444

- 100** Autocryl Plus LV mixture
- 50** Autocryl Plus LV Hardener
- 10** Autocryl Plus LV Thinner / Autocryl Plus LV Thinner HT

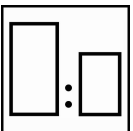


When using **50% or more** of Matting Paste 444

- 3** Autocryl Plus LV mixture
- 1** Autocryl Plus LV Hardener
- 10%** Autocryl Plus LV Thinner / Autocryl Plus LV Thinner HT

Textured Finishes

Colors with textures, most common on plastic car bumpers and panels can be imitated by following the next procedures in mixing and application of the topcoat after mixing with Matting Paste 444.



100 Autocryl, Autocryl Plus or Autocryl LV 420

100 Matting Paste 444

Mix components by weight, then stir the topcoat / matting paste 444 mixtures thoroughly before adding hardener and reducer as indicated previously.

Application of colors with texture

Always use a gravity feed spray gun for this kind of application!

- Apply 2-3 coats (depending on the colour opacity) at normal application distance and air pressure. Allow for a minimum of 15 minutes flash-off time at 70°F (20°C) after the last coat.
- The textured finish may be obtained by reducing the application pressure to approximately 8-15 psi (0,5-1 bar) and enlarging of the application distance.
The lower the application pressure, the coarser the texture on the surface.

Various textures can be achieved by variations in:

- Higher or lower application pressure
- Larger or closer distance between spray gun and object
- Larger or narrower spray gun opening
- Higher or lower paint mixture viscosity (by adding reducer or thinner)

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Pot-life

Sikkens single stage topcoats, mixed with Matting Paste 444, without any hardener can be stored for maximum 3 months at 70°F (20° C).

For RTS potlife see Sikkens the dedicated single stage topcoats of:
Autocryl Plus LV (5.2.78)
Autocryl LV 420 (5.2.54)
Autocryl Plus (5.2.49)
Autocryl (5.2.1)

Drying times



The drying is dependent on the mixing ratio between the single stage topcoat and the Matting Paste 444 and by the selection of the single stage topcoat Hardener and reducer/thinner.

The drying times for colours mixed with Matting Paste 444 will be slightly longer then indicated in each of the single stage topcoat TDS.

VOC

The EU limit value for this product (product category: IIB. e) in ready to use form is max. 840 g/liter of VOC. The VOC content of this product in ready to use form is max.620 g/liter.

Max. VOC level overview:
Hardener:

1.2.3 Hardener		615 g/ liter
Hardener MS30		570 g/ liter
Hardener LV		525 g/ liter
Hardener MS		550 g/ liter
P25 Hardener	Reducer/Thinner/Accelerator	590 g/ liter
P35 Hardener		593 g/ liter
P45 Hardener		594 g/ liter
Autocryl LV 420 Hardener		473 g/ liter
Autocryl Plus LV Hardener		470 g/ liter

Product storage

Product shelf-life is determined when products are stored unopened at 70°F (20°C).
Avoid extreme temperature fluctuation.

- *Product shelf life data see TDS S9.01.02*

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IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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