

# 2K MS Matting Clear

# LESONAL

Technical Data Sheet



August 2006

INL 5.5.01

## DESCRIPTION

Two-pack transparent matting clear for application over hard dry topcoats or basecoats. Any matting level can be achieved when used in conjunction with Lesonal clearcoats to reduce the gloss level on plastic car parts.

	 INL 5.5.01	 5 : 2 : 0.5 Matting Clear Mixture : Hardener 710/ 720 / 721 Multi Thinner 810	 A	 S 17 - 20 sec DIN 4	 1.2 - 1.5 mm 3 - 4 bar
 2 x 1	 5 - 10 mins	 16 hrs 20° C 45 mins 60° C			

## PRODUCT & ANCILLARY ITEMS

<b>Product:</b>	Lesonal 2K MS Matting Clear
<b>For use in:</b>	Lesonal Clearcoats
<b>Ancillary products:</b>	Lesonal 2K Hardener 710 / 720 (any) / 721 (any) Lesonal Multi Thinner 810 (any)
<b>Chemical Basis:</b>	2K MS Matting Clear – polyester resin 2K Hardener 710 / 720 / 721 – polyisocyanate resin

## METHOD OF USE

<b>Substrates:</b>	Existing finishes, Lesonal Basecoat SB 120 MM or 2K Topcoat MM 320.
<b>Substrate preparation:</b>	Existing finishes and hard dried Lesonal 2K Topcoat MM 320: First degrease with Akzo Nobel Wax and Grease Remover and scuff them with scuff pad (Grey) or sand with P 500. Degrease again with Akzo Nobel Wax and Grease Remover.
<b>Mixing ratios:</b> (Use mixing stick A for this purpose)	The following gloss levels can be achieved by mixing 2K MS Matting Clear with Lesonal Clearcoat . This table can be used as a guideline for the different gloss levels.

Mixing Ratio	Gloss Level
100 % 2K MS Matting Clear	5-15 gu (= matt)
4 volumes – 2K MS Matting Clear 1 volume – Clearcoat	25 - 35 gu (= eggshell)

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	3 volumes – 2K MS Matting Clear 2 volumes – Clearcoat	45 - 65 gu (= semi-gloss)	
	1 volume – 2K MS Matting Clear 1 volume – Clearcoat	65 - 75 gu (= semi-gloss)	
	2 volumes – 2K MS Matting Clear 3 volumes – Clearcoat	85 gu (= gloss)	
	After mixing 2K MS Matting Clear with Clearcoat in the desired proportions, stir the mixture thoroughly and add hardener and thinner as per the recommended mixing ratio – 5:2:0.5		
<b>Spraying Viscosity:</b>	17 – 20 sec DIN cup 4 at 20°C		
<b>Pot Life:</b>	2 hrs. at 20°C.		
<b>Application Equipment &amp; Spraying Pressure:</b>	<b>Spraygun</b>	<b>Fluid opening</b>	
	Gravity Feed	1.2 - 1.5 mm	
	Suction Feed	1.4 - 1.6 mm	
	HVLP Gravity Feed	1.3 - 1.6 mm	
	HVLP Suction Feed	1.6 - 2.2 mm	
		<b>Spraying pressure</b>	
		3 - 4 bar	
		3 - 4 bar	
		0.7 bar	
		0.7 bar	
<b>Application Technique:</b>	Apply two coats, allow to become touch dry between each coat. Generally this will take between 5 to 10 minutes. This time will be very much influenced by the product combination used and the application conditions.		
<b>Equipment Cleaning:</b>	Use Lesonal Multi Thinner 810 (any) or a Lesonal NC Thinners 820 before the potlife has expired.		
<b>Drying Times:</b>	<b>20 ° C</b>	<b>60 ° C</b>	
	Dust free	20 mins	5 mins
	Tack- free	2 hrs	10 mins
	Dry to handle	8 hrs	20 mins
	Hard dry	16 hrs	45 mins
<b>Helpful Tips:</b>	It is advisable to spray a test panel to check the gloss level obtained as the final result may be influenced by: a) the layer thickness applied (horizontal/vertical) b) the drying conditions		
<b>Shelf life:</b>	4 years		

**Health & Safety Data:** These products are intended for professional use only. Please refer to can labels and Safety Data Sheets concerned for more specific information. The user of these products is required to comply with the national laws pertaining to Health & Safety disposal.

*The above information is given in good faith, but without warranty, as the final results are also dependent upon factors of use which are outside our control.*