

Technical Bulletin – Matt and Glossy Clearcoat

Glossy (KKL.7000) and opaque (KKL.0000) IVAT clearcoats can be used separately or mixed together to replicate all levels of gloss/opacity in the automotive industry, so as to allow to respond to the increasing diffusion of vehicles with non-glossy finish.

The combination of these two clearcoats ensures an extremely flexible system that allows to always get the perfect match to the original finish.

Main features of the clearcoats KKL.0000 and KKL.7000

Two Clearcoats that can be mixed:

simple and effective offer to reproduce any level of opacity. Clearcoats do not require hardeners, thinners or dedicated additives: just catalyze them with HH series.

Flexible and easy to use:

easy mixing without the need to use opaque agents.

Shade of the matt base:

no need to apply the matt base to the entire panel to avoid color changes.

Repair Cycle

With the matt finishes it is not possible to carry out the process of shading the clearcoat. The removal of dirt and any imperfections can only be done on the matt base.

Selection of the degree of opacity

For original matt colors, the degree of opacity is matched to the color formulations available in ColorPilot.

If you do not know the degree of opacity, measure with glossmeter or proceed with the application of the most similar “TR01/TR07 bands” on dye proof sheets, applied with the chosen color.

Make the application with the same application methods that you will use for painting the vehicle: airbrush, number of hands, distance, withering and cab. Check the right correspondence of the degree of opacity

Matt base application

Apply the tint to the matt base of the selected color until the cover is reached.

Clearcoat application

Apply one hand of the Clearcoat all over the surface. Wait for the complete opacification: this allows you to remove any dirt before proceeding with the last hand (use abrasives P1000 dry/P2000 water)

Apply a second hand. Wait for the complete opacification before proceeding with drying.

Opacity degrees

Mixing ratio (by weight) matt KKL.0000 and glossy KKL.7000 clearcoats.

Card	Matt level	Product	100 g	200 g	300 g	400 g	500 g	1000 g
TR01	< 10 ° gloss	KKL.0000	58,8	117,6	176,5	253,3	294,1	588
TR02	10-20 ° gloss	KKL.0000	55,9	111,8	167,6	223,5	279,4	559
		KKL.7000	2,9	5,9	8,8	11,8	14,7	29
TR03	20-30 ° gloss	KKL.0000	52,9	105,9	158,8	211,8	264,7	529
		KKL.7000	5,9	11,8	17,6	23,5	29,4	59
TR04	30-45 ° gloss	KKL.0000	50,0	100,0	150,0	200,0	250,0	500
		KKL.7000	8,8	17,6	26,5	35,3	44,1	88
TR05	45-60 ° gloss	KKL.0000	47,1	94,1	141,2	188,2	235,3	471
		KKL.7000	11,8	23,5	35,3	47,1	58,8	118
Hardener			23,5	47,1	70,6	94,1	117,6	235
Thinner			17,6	35,3	52,9	70,6	88,2	176