COATING SYSTEMS FOR INDUSTRIAL PRODUCTION OF WOOD MOULDINGS





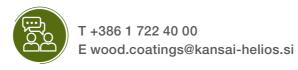


COATING SOLUTIONS

S'	YSTEMS	TYPE OF MATERIAL	PRODUCT NAME	APPLICATION METHOD	AMOUNTS	DRYING / CURING
tv	wo layer system for solidwood					
. 1s	st layer	UV LED	UVEHEL LED basecoat WHITE	spraying / vacuumat technology	30-50 g/m^2	LED lamps 405nm
	layer	Waterborne	HIDROHEL top coat enamel	spraying / vacuumat technology	90-100 g/m^2	forced drying = 10-15 minutes
tv	wo layer system for solidwood					
. 1s	st layer	UV LED	UVEHEL LED basecoat TRANSPARENT	spraying / vacuumat technology	40-50 g/m^2	LED lamps 365nm / 395nm
2 ⁿ	nd layer	Waterborne	HIDROHEL top coat enamel	spraying / vacuumat technology	70-90 g/m^2	forced drying = 7-12 minutes
	nree layer system for solidwood / MDF					
	st layer	UV LED	UVEHEL LED basecoat TRANSPARENT	spraying / vacuumat technology	30-40 g/m^2	LED lamps 365nm / 395nm
2	nd layer	UV LED	UVEHEL LED basecoat WHITE	spraying / vacuumat technology	30-50 g/m^2	LED lamps 405nm
3 ^r	^d layer	Waterborne	HIDROHEL top coat enamel	spraying	80-90 g/m^2	forced drying = 15-30 minutes
	nree layer system for solidwood / MDF					
	st layer*	UV	UVEHEL putty transparent	extruder (box) / roller coater	15-30 g/m^2	Hg lamps
2 ⁿ	nd layer	Solventborne	HELIOCEL basecoat WHITE	spraying	80-90 g/m^2	forced drying = 5-10 minutes
3 rd	rd layer	Waterborne	HIDROHEL top coat enamel	spraying	85-95 g/m^2	forced drying = 7-12 minutes
th	nree layer system for solidwood / MDF					
	st layer	UV	UVEHEL putty transparent	extruder (box) / roller coater	15-30 g/m^2	Hg lamps
• 2 ⁿ	nd layer	Waterborne	HIDROHEL primer WHITE	spraying	80-90 g/m^2	forced drying = 5-10 minutes
3 rd	layer	Waterborne	HIDROHEL top coat enamel	spraying	90-100 g/m^2	forced drying = 7-12 minutes
th	nree layer system for solidwood / MDF					
1s	st layer	UV	UVEHEL putty transparent	spraying	40-50 g/m^2	Hg lamps
¹ 2 ⁿ	nd layer	Waterborne	HIDROHEL primer WHITE	spraying	80-90 g/m^2	forced drying = 5-10 minutes
3r	ayer layer	Waterborne	HIDROHEL top coat enamel	spraying	80-90 g/m^2	forced drying = 7-12 minutes
th	nree layer system for solidwood / MDF					
	st layer	Waterborne	HIDROHEL putty WHITE	extruder (box)	10-20 g/m^2	possible immediate overcoating
2 ⁿ	nd layer	UV / UV LED	UVEHEL (LED) basecoat WHITE	roller coater	2x15 g/m^2	Ga + HG lamps
3 rd	layer	Waterborne	HIDROHEL top coat enamel	curtain coating	80-90 g/m^2	forced drying = 10-15 minutes
S	ystem for only primed profiles					
. 1s	st layer*	UV	UVEHEL putty transparent	extruder (box) / roller coater	15-30 g/m^2	Hg lamps
2 ⁿ	nd layer	Waterborne	HIDROHEL primer WHITE	spraying	80-90 g/m^2	forced drying = 5-10 minutes

*optional for better quality

All our coating systems can be customised to meet your requirements. Please contact our KANSAI HELIOS Sales Representatives for more information.







	APPLICATION METHOD	TYPE OF MATERIAL	PROPERTIES	
Putties (transparent and white)	Extruder (box) Roller coater	Solventborne UV UV LED Waterborne	filling of the surface, cracks, pores prevents fiber raising fast drying	
Basecoats (transparent and white)	Airless / Airmix spraying Vacuumat technology Roller coater	Solventborne UV UV LED Waterborne	good levelling excellent filling of surface very good hiding power (white) fast drying good sanding	
Top coats (enamels)	Airless / Airmix spraying Vacuumat technology Curtain coating	Waterborne UV - Waterborne UV LED - Waterborne	very fast drying excellent anti blocking (appropriate for immediate stacking) very good hiding power excellent surface smoothness good scratch resistance	

MOULDINGS

Paints and systems for the surface treatment of mouldings and other profiled wooden elements are a key part of KANSAI HELIOS industrial wood coatings portfolio. We continuously innovate and adapt our products to align with the latest technologies and production systems used in wood (mouldings) profiles manufacturing. This highly specialized field demands solutions that meet rigorous requirements for efficiency and quality.

Our products are designed to support high-speed production lines, enable fast drying, and minimize VOC emissions, ensuring fast and efficient manufacturing while delivering exceptional surface quality. Additionally, we are committed to enhancing the sustainability of our products and processes, contributing positively to the environment, society, and the economy.

APPLICATION METHODS



Spraying



Vacuumat Technology



Roller Application



Extruder



Curtain Coating