

# COATING SYSTEMS FOR INDUSTRIAL PRODUCTION OF WOOD MOULDINGS



## COATING SOLUTIONS

SYSTEMS	TYPE OF MATERIAL	PRODUCT NAME	APPLICATION METHOD	AMOUNTS	DRYING / CURING
<b>1. two layer system for solidwood</b> 1 <sup>st</sup> layer 2 <sup>nd</sup> layer	UV LED Waterborne	<b>UVEHEL LED</b> basecoat WHITE <b>HIDROHEL</b> top coat enamel	spraying / vacuumat technology spraying / vacuumat technology	30-50 g/m^2 90-100 g/m^2	LED lamps 405nm forced drying = 10-15 minutes
<b>2. two layer system for solidwood</b> 1 <sup>st</sup> layer 2 <sup>nd</sup> layer	UV LED Waterborne	<b>UVEHEL LED</b> basecoat TRANSPARENT <b>HIDROHEL</b> top coat enamel	spraying / vacuumat technology spraying / vacuumat technology	40-50 g/m^2 70-90 g/m^2	LED lamps 365nm / 395nm forced drying = 7-12 minutes
<b>3. three layer system for solidwood / MDF</b> 1 <sup>st</sup> layer 2 <sup>nd</sup> layer 3 <sup>rd</sup> layer	UV LED UV LED Waterborne	<b>UVEHEL LED</b> basecoat TRANSPARENT <b>UVEHEL LED</b> basecoat WHITE <b>HIDROHEL</b> top coat enamel	spraying / vacuumat technology spraying / vacuumat technology spraying	30-40 g/m^2 30-50 g/m^2 80-90 g/m^2	LED lamps 365nm / 395nm LED lamps 405nm forced drying = 15-30 minutes
<b>4. three layer system for solidwood / MDF</b> 1 <sup>st</sup> layer* 2 <sup>nd</sup> layer 3 <sup>rd</sup> layer	UV Solventborne Waterborne	<b>UVEHEL</b> putty transparent <b>HELIOCEL</b> basecoat WHITE <b>HIDROHEL</b> top coat enamel	extruder (box) / roller coater spraying spraying	15-30 g/m^2 80-90 g/m^2 85-95 g/m^2	Hg lamps forced drying = 5-10 minutes forced drying = 7-12 minutes
<b>5. three layer system for solidwood / MDF</b> 1 <sup>st</sup> layer 2 <sup>nd</sup> layer 3 <sup>rd</sup> layer	UV Waterborne Waterborne	<b>UVEHEL</b> putty transparent <b>HIDROHEL</b> primer WHITE <b>HIDROHEL</b> top coat enamel	extruder (box) / roller coater spraying spraying	15-30 g/m^2 80-90 g/m^2 90-100 g/m^2	Hg lamps forced drying = 5-10 minutes forced drying = 7-12 minutes
<b>6. three layer system for solidwood / MDF</b> 1 <sup>st</sup> layer 2 <sup>nd</sup> layer 3 <sup>rd</sup> layer	UV Waterborne Waterborne	<b>UVEHEL</b> putty transparent <b>HIDROHEL</b> primer WHITE <b>HIDROHEL</b> top coat enamel	spraying spraying spraying	40-50 g/m^2 80-90 g/m^2 80-90 g/m^2	Hg lamps forced drying = 5-10 minutes forced drying = 7-12 minutes
<b>7. three layer system for solidwood / MDF</b> 1 <sup>st</sup> layer 2 <sup>nd</sup> layer 3 <sup>rd</sup> layer	Waterborne UV / UV LED Waterborne	<b>HIDROHEL</b> putty WHITE <b>UVEHEL</b> (LED) basecoat WHITE <b>HIDROHEL</b> top coat enamel	extruder (box) roller coater curtain coating	10-20 g/m^2 2x15 g/m^2 80-90 g/m^2	possible immediate overcoating Ga + HG lamps forced drying = 10-15 minutes
<b>8. system for only primed profiles</b> 1 <sup>st</sup> layer* 2 <sup>nd</sup> layer	UV Waterborne	<b>UVEHEL</b> putty transparent <b>HIDROHEL</b> primer WHITE	extruder (box) / roller coater spraying	15-30 g/m^2 80-90 g/m^2	Hg lamps 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.



T +386 1 722 40 00  
E [wood.coatings@kansai-helios.si](mailto:wood.coatings@kansai-helios.si)

	APPLICATION METHOD	TYPE OF MATERIAL	PROPERTIES
<b>Putties (transparent and white)</b>	Extruder (box) Roller coater	Solventborne UV UV LED Waterborne	filling of the surface, cracks, pores prevents fiber raising fast drying
<b>Basecoats (transparent and white)</b>	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
<b>Top coats (enamels)</b>	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