

Date of inquiry

Company

Address

Contact person

Phone No.

Fax No.

E-Mail

KROENERT GmbH & Co KG

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Manager Technology Center

Matthias Capeletti

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Process or product description

Trial purpose

**Remarks concerning coating,
substrate, lamination or
drying**

Preferred application mode

- Gravur roller:** T-Chamber Pressure Chamber Rotogravure
 Smooth roller: Gap feeding Pan feeding
 Comma bar: direct indirect
 Die-Coating
 Curtain-Coating

Drying / Curing

- Convection** ⁱ [°C] Floatation Roller
 Infrared ⁱ [W/cm²]
 Ultraviolet ⁱ Peak [W/cm²] Dose [J/cm²]
 Nitrogen Inerting

Humidifying

- Humidifying rate [%] Flatness Abs. Rel.
 Steam Humidifyer
 Spray Humidifyer

Lamination

- Wet Lamination
 Dry Lamination

Temperature ⁱ [°C]

Line force [N/mm]

Auxiliary Equipment

- Tempering unit
 Degasification
 Corona ⁱ

Heating [°C] Cooling [°C]

Applied Corona-Dose [W*min/m²]

Required Surface Tension [mN/mm]

Primary substrate – Liner (Carrier web)

Web	Type of material	Working width	Raw material		Coating weight		Web speed	Remarks
			Dry	Wet	Dry	Wet		
[No.]	[-]	[mm]	[g/m ²]	[µm]	[g/m ²]	[g/m ²]	[m/min]	
1								
2								
3								
4								
5								
6								

Secondary substrate – Face (Covering web)

Web	Type of material	Working width	Raw material		Remarks
			[g/m ²]	[µm]	
[No.]	[-]	[mm]	[g/m ²]	[µm]	
1					
2					
3					
4					
5					

Coating fluid

Media	Type of coating	Solventless	Waterbased	Solventbased		Solid content	dyn. Viscosity @ shear rate	Density
[No.]	[Typ]				[Typ]	[%]	[mPas] @ s ⁻¹	[kg/m ³]
1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Measuring equipment

- | | |
|--|--|
| <input type="checkbox"/> Coat Weight [g/m ²] | <input type="checkbox"/> Coefficient of friction [-] |
| <input type="checkbox"/> Viscosity [mPas] / [sec.] | <input type="checkbox"/> Peel / Adhesion [N] |
| <input type="checkbox"/> Solid content [%] | <input type="checkbox"/> Tear strength [N/cm] |
| <input type="checkbox"/> Residual solvent [%] | <input type="checkbox"/> <input type="text"/> |
| <input type="checkbox"/> Density [kg/m ³] | <input type="checkbox"/> <input type="text"/> |

Additional Information

Please use the following link to find more information about our roller coating station [800/800A](#).

It would be very helpful if you could send us some DIN A4 substrate samples together with 0.5l of your coating fluid, so that we can prepare the machine and give you process related recommendations. Kindly mark the side of substrate which has to be coated. Please do not forget to attach the safety data sheet of coating fluid.

Please provide us with a delivery address to which we can send your trial material within 7 days after trial, otherwise we will have to charge you for storage costs.

Please do not hesitate to contact us in case you have further questions or require any assistance (booking hotel etc.). Your contact person is Bettina Riemer: Bettina.Riemer@kroenert.de