



ORIGIN
Coatings for soles



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In the footwear industry, differentiation is not an option. It is the mandatory choice if you want to make an impact. With its Origin range, Renner Italia translates the high-tech language of color into differentiation strategies for the world of footwear. Origin coatings enhance the unique character of sole production.

With Origin, every sole becomes an aesthetic and technical experience. Beautiful. Flexible. Durable. Origin coatings are designed for the most demanding designers and applicators. They offer performance that lasts, combined with endless aesthetic and tactile effects.

All the benefits of customized coatings

Like all Renner Italia's hi-tech ranges, Origin has two founding principles.

- **Tailor-made formulas.** Our laboratories are dedicated to the daily customization of coatings. The goal is to satisfy specific needs. Without compromise.
- **Comprehensive technical support.** Where and when needed, our technical specialists are at the applicator's side. Key words: listen, suggest, solve.

With experience in the wood furniture industry, where customer service is fundamental, Renner also ensures that each user is trained in the proper use of application systems and followed to optimize production processes. The result is less waste, greater efficiency and lower overall costs. Tangible added value.

It is no coincidence that Renner coatings are recognized worldwide as the highest expression of quality. They are the product of our researchers' in-depth knowledge of materials, expertise and teamwork.





Exclusive looks and limitless creativity

Origin coatings enhance the aesthetic value of soles, encouraging footwear manufacturers to follow the latest trends and create exclusive looks. All colors are precisely reproducible thanks to Renner's tinting systems.

The range is further enhanced by the endless possibilities of special effects. From rubber effect finishes that give the sole a rubbery, silicone-like matte feel, to ultra-bright fluorescent finishes for fashion sneakers. From metal coatings to the flock effect that creates a soft, premium finish with a handcrafted feel. From craquelure looks, ideal for vintage footwear, to antiqued finishes achieved by combining contrasting colors to simulate the wear and tear of time.

Origin also offers original material effects such as cork effect and multi-reflective iridescent finishes that change color depending on the angle of light. Not forgetting the handcrafted effects, created by sponging, brushing or artistic airbrushing. With Origin you get unique soles.



Flexible and ultra resistant

Origin coatings offer superior performance for everyday footwear use. In terms of quality, color fastness is excellent (they do not yellow, do not fade and remain stable to UV radiation).

These formulations make the sole comfortable and durable. They are designer finishes that resist intense mechanical wear.

They are designed to resist rubbing and abrasion.

At the same time, they ensure the highest coefficients of elasticity, maintaining adhesion and integrity on materials that flex. The coating film follows the movement without cracking or peeling. Such elastoplastic properties prevent cracking even on highly flexible soles.

Renner formulations also provide strong chemical resistance: the dry film resists exposure to oils, solvents and common chemicals without degrading.

MATERIALS

Renner Italia coatings for soles are designed to adhere and perform on all major materials used in the construction of bottoms and treads.

In particular, Renner systems perform best on

- **PU (polyurethane)** - microcellular or compact, used in lightweight and durable soles.
- **TR (thermoplastic rubber)** - thermoplastic compounds (e.g. SBS) used for flexible soles.
- **TPU (thermoplastic polyurethane)** - durable and elastic, often used in technical soles.
- **EVA (ethylene vinyl acetate)** - lightweight foam (e.g. running midsoles), low surface energy.
- **Rubber (natural or SBR)** - vulcanized rubber soles, typical for grip and durability.

The versatility of the Origin range simplifies production management and ensures that any type of sole can be protected and aesthetically enhanced with Renner Italia's high-tech coatings.



Origin solutions for every type of sole

	PU	TR	TPU	EVA	RUBBER
PRE-TREATMENT	Isoparaffin/Hot Water Washing	Halogenation	Washing DF---M007/-----	DF---M007/-----	Halogenation
DRYING	-	-	-	-	-
PRIMER	FI---PL65/----- Optional to increase adhesion	FI---PL65/----- Optional to increase adhesion	FI---PL65/----- Optional to increase adhesion	FI---PL65/----- Mandatory	FI---PL65/----- Optional to increase adhesion
DRYING	80°-90°C	60°C	70°-80°C	60°C	110°-120°C
BASE	FL---SL01/--NTR	FL---SL02/--NTR	FL---SL01/--NTR	JO-XXM100/-----	FL---SL01/--NTR
DRYING	80°-90°C	60°C	70°-80°C	60°C	110°-120°C
TWO-TONE GLOSSY	FB---SL12/--NTR*	FB---SL12/--NTR*	FB---SL12/--NTR*	FB---SL12/--NTR*	FB---SL12/--NTR*
* MATTING ADDITIVE	AF---MXXX/-----	AF---MXXX/-----	AF---MXXX/-----	AF---MXXX/-----	AF---MXXX/-----
DRYING	70°-80°C	70°-80°C	70°-80°C	70°-80°C	70°-80°C
ASPORTABLE	JL---SL11/--NTR	JL---SL11/--NTR	JL---SL11/--NTR	JL---SL11/--NTR	JL---SL11/--NTR
DRYING	70°-80°C	70°-80°C	70°-80°C	70°-80°C	70°-80°C
BRUSHING	-	-	-	-	-
SOME EFFECTS	rubber, flock, metallic, cork, craquelet, iridescent, fluorescent, antiqued, hand-made				



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