

Textile solutions

BALDWIN[®]

Rudolf



OPTIMIZE & ENHANCE

your dyeing and finishing process

NON-CONTACT PRECISION SPRAY TECHNOLOGY FOR FINISHING

What is non-contact finishing?

Non-contact digital finishing is a revolutionary application technology that dramatically reduces chemical waste, energy consumption and carbon footprint while improving fabric performance.

Precise application only where you need it

Depending on the requirements, TexCoat G4 applies finish chemistry on one or both sides at desired pick-up rate.

Zero chemical waste

Traditional finishing pads hold anywhere from 100-200 liters of chemistry. When the batch is complete, the bath is emptied to wastewater. And for knits that utilize bio-polish enzymes, baths are sometimes changed every 500kgs. TexCoat G4 is non-contact and uses a small three liter buffer tank in lieu of a bath meaning no bath contamination and virtually no chemicals sent to waste water.

Traceability

Finishing is one area where traditional application methods have no accurate record of consumption.

Texcoat G4's touchscreen HMI control system provides the opportunity to have all the values you need to be able to claim sustainable production. Precise chemical add-on monitoring in real time.

TexCoat approved for a wide range of finishing chemicals

TexCoat has been designed to be used with the most commonly used low-viscosity water-based finishes and does not require any special formulations. Unlike competitor's spray technology, TexCoat G4 is gentle on the most sensitive finishing formulations with no adverse affect on chemical stability.

In close collaboration, Rudolf and Baldwin R&D teams work together continuously testing the spray and functional performance of today's and tomorrow's finishing products.

Texcoat G4 can be utilized for several fabrics finishes that include antimicrobial, crease resistance, water repellence (PFAS and PFAS-free), flame retardancy, softening agents, antistatic agents, and hydrophilizing agents, just to name a few. The following table highlights the most common Rudolf products that are spray-able with Baldwin's TexCoat G4.

PRODUCT	FUNCTION	REMARKS
RUCO-GUARD® AFB6	C6 Oil and Water Repellent (OWR)	C6 polymer emulsion, top seller, high performance.
RUCO-GUARD® AFR6	C6 Oil and Water Repellent (OWR)	C6 polymer and crosslinker emulsion, top seller, high performance.
RUCOSTAR® EEE6	C6 Oil and Water Repellent (OWR)	C6 polymer and crosslinker emulsion, top seller, economy performance.
RUCOSTAR® EEW6	C6 Oil and Water Repellent (OWR)	C6 polymer and crosslinker emulsion, top seller, economy performance with advanced crosslinker.
RUCO® -DRY ECO PLUS	C0 Durable Water Repellent (DWR)	C0 DWR top seller, high performance.
RUCO® -DRY ECO ADV	C0 Durable Water Repellent (DWR)	C0 DWR with reduced chalkmarking.
RUCO® -DRY ECO PSS	C0 Durable Water Repellent (DWR)	C0 DWR with soft handle and chalkmark-avoiding.
RUCO® -LINK WEB	Crosslinking Agent for OWR/DWR	Blocked polyisocyanate, top seller and high performance.
RUCO® -LINK XCN	Crosslinking Agent for OWR/DWR	Blocked polyisocyanate, new future standard and high performance.
RUCO® -LINK XNB	Crosslinking Agent for OWR/DWR	Novel crosslinking technology.
RUCOFIN® SIQ NEW	Silicone Fabric Softener	Hydrophilic softener, top seller, high performance.
RUCOFIN® GSQ NEW	Silicone Fabric Softener	Hydrophilic softener, top seller, high performance + sewing aid.
RUCOFIN® GES NEW	Silicone Fabric Softener	Hydrophilic softener, maximum stability (jet).
RUCOFIN® GWE	Silicone Fabric Softener	Hydrophobic softener, sensitive towards high sheer forces.
RUCOFIN® GST 575S	Silicone Fabric Softener	Hydrophilic softener, new and sustainable, high performance.
RUCO® -BAC AGP	Antimicrobial Silver Finish	Permanent silver-based antimicrobial for textiles worn next to the skin.
RUCO® -BAC HSA CONC	Antimicrobial Quatamin Finish	Permanent antimicrobial for textiles worn next to the skin.
RUCO® -FRESH FNB	Non-Biocidal Freshness Finish	Durable odour management finish for worn next to the skin.
FERAN® Upcycle ICT	Hydrophilic Finish	Durable hydrophilic finish for PES.
RUCO® -PUR SCP	Hydrophilic Finish	Durable hydrophilic finish for PA.
PERRUSTOL® VNO NEW	Fatty Acid-Based Softener	Hydrophobic softener non-ionic.
PERRUSTOL® IPS NEW	Fatty Acid-Based Softener	Hydrophobic softener particularly for CEL, cationic.
PERRUSTOL® MMX	Fatty Acid-Based Softener	Hydrophilic softener with soft touch.
PERRUSTOL® AST NEW	Fatty Acid-Based Softener	Semi-hydrophobic softener particularly for SYN with great antistatic properties.
RUSTOL® EPV 1426	Silicone-based Defoamer	Defoaming agent as additive for hydrophobic spray finishes (C6, C0 + crosslinker products).
RUSTOL® ESD	Silicone-based Defoamer	Defoaming agent as additive for all other spray finishes.

STRONG PARTNERSHIP

- providing confidence in your journey of sustainability



Baldwin and Rudolf understand the importance of guiding our customers through the transition of outdated and wasteful pad finishing to today's precise digital finishing technology. Together, we bring the most effective and sustainable solutions with our global network of offices and partners to meet the high demands and challenges of the textile industry.

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