

TEXTILE AUXILIARIES

Auxiliaries for textile
manufacturing products



We offer tailor-made solutions for the broad and highly diversified textile auxiliaries market.

Thousands of formulated textile auxiliaries are produced worldwide to improve the processability of fibers and garments, as well as the desired quality of the final textile goods. Behind the tailor-made properties for these textile auxiliaries is a synergistic combination of specific additives. Evonik is a key supplier of the surfactants and tailor-made chemicals that make up the valuable raw materials needed for the production of textile auxiliaries.

Backed up by technical know-how and long-term experience in the synthesis of organo-modified siloxanes and specialty organic surfactants, we have a unique and strong position as a specialty chemicals producer. Our comprehensive and extremely specialized product range can offer any textile formulator with the valuable components they need. Based on surface and interfacial science, we are continuously developing new molecules which offer special application properties by themselves, or in formulations. Our ability to run preliminary tests in our Technical Service Labs around the globe, as well as our customer orientation creates the best basis for a strong partnership with textile formulators.

Since 1847 formulators have trusted in our innovations and have used them successfully as main ingredients and formulation aids for many textile auxiliaries. Our product portfolio covers a broad application range in diverse textile operations. These products may be used wherever softness, lubricity, spreading, static control, emulsification, wetting, water repellence, corrosion inhibition, levelling, foaming or defoaming performance is required.

Evonik is aware of the environmental and toxicological impact of the chemicals used in the textile industry. This is the main reason for our focus on providing our customers with biodegradable, non-toxic and non-sensitizing surfactants. Our attention is also focused on the specific requirements of the textile industry, like reducing heavy metal content and low emission factors. Our R & D, Technical Service and Sales & Marketing organizations are supported by an efficient Environmental, Health & Safety Department which assures the safety and regulatory compliance of our products to support our customers.

PRODUCTS TO INCREASE SUSTAINABILITY

Evonik's innovative products, systems and solutions enhance sustainable development and we work closely with our customers to help them meet their sustainability targets. Market-oriented research and development play an important role.

We support our customers in achieving the performance requirements of various textile labels. Our TEGOTEX® textile finishing products can prevent peeling effects and improve the durability of apparel

and functional textiles which leads to lower micro plastic emissions. Our process improving additives help to use less water and solvents during textile manufacturing and are developed to meet the latest consumer and environmental requirements. We offer our customers resource-saving and energy-efficient solutions for a wide range of applications. In this way, we play a part in meeting the rising sustainability requirements across all of our markets.

1 YARN / GARMENT PROCESSING

PROCESSING

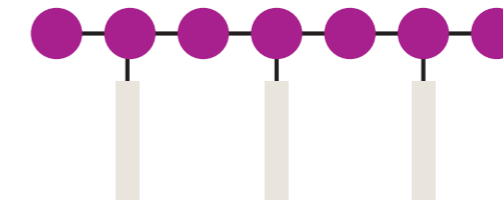
WETTING AND SPREADING AGENTS PAGE 4	ANTIFOAMS PAGE 6	PROTECTION AGENTS PAGE 7
<ul style="list-style-type: none"> TEGOPREN® 5840 TEGOPREN® 5847 TEGOPREN® 5850 TEGOPREN® 5852 TEGOPREN® 5873 	<ul style="list-style-type: none"> TEGO® Antifoam 3062 TEGO® Antifoam MR 1015 TEGOPREN® 4506 TEGOPREN® 5801 TEGOPREN® 6814 SURFYNOL® MD 20 	<ul style="list-style-type: none"> TEGOPREN® 6922 REWOCOROS® O 3 REWOPHAT® EAK 8190 REWOQUAT® CPEM

■ silicone-based product
 ■ organic-based product

WETTING AND SPREADING AGENTS

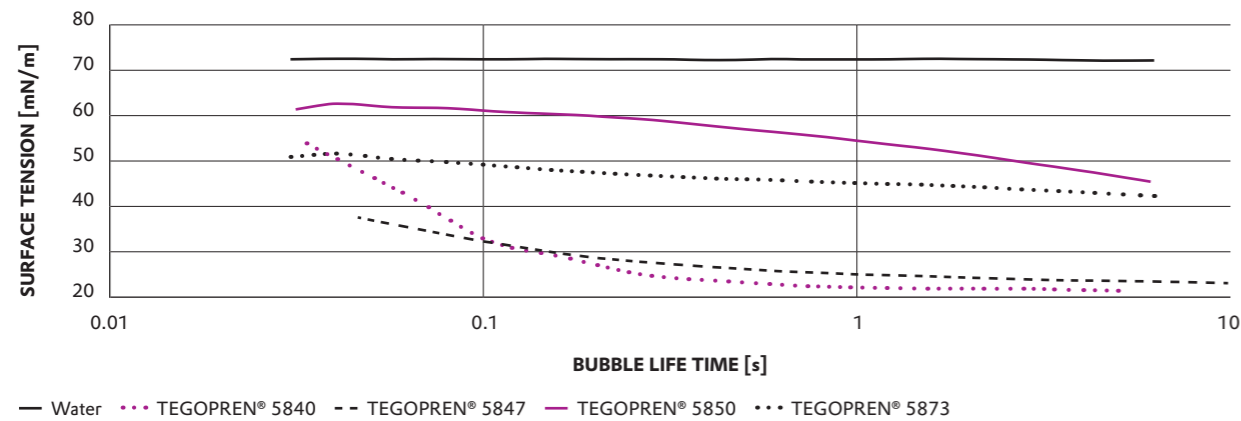
Our TEGOPREN® polyether siloxanes provide outstanding wetting and spreading performance in textile auxiliary formulations. The general molecular architecture of these amphiphilic organo-modified siloxanes (OMS) is based on a polydimethylsiloxane (PDMS) backbone which the copolyethers of ethylene siloxane (EO) and propylene oxide (PO) then attach to. These

different molecules all vary in chain length and EO / PO ratios. Whereas the siloxane backbone provides a low surface tension, the organic moieties help to improve the compatibility of the OMS with the surrounding matrix. In aqueous systems EO-rich polyethers products are preferred, but the best choice for use in oil systems are products carrying PO-rich polyethers.

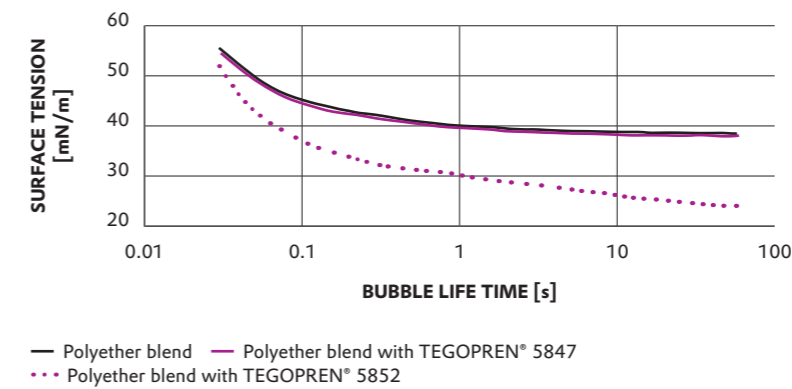


● Silicone chain
 = Polyether
 EO PO

Dynamic surface tension measured with bubble pressure tensiometer [1 g/l]



Dynamic surface tension measured with bubble pressure tensiometer



This graph shows shows the dynamic surface tension of a polyether blend containing 2 % of our TEGOPREN® 5847 and TEGOPREN® 5852. It shows, that TEGOPREN® 5852 reduces the surface tension of the polyether blend, whereas TEGOPREN® 5847 has no effect on the surface tension of this system.

Wetting and Spreading Agents

PRODUCT	COMPOSITION	ACTIVE MATTER [%]	POLARITY		MOLECULAR WEIGHT [g/mol]											SI-CONTENT [%]	CLOUDPOINT [°C]	SURFACE TENSION [mN/m] MEASURED BY PENDANT DROP METHOD AT 300 s, RT		VISCOSITY [mPas]	SOLUBILITY IN DIFFERENT SOLVENTS					
			WATER	OIL	<500	1000	2000	3000	4000	5000	6000	7000	8000	0.1 % IN H ₂ O	2 % IN POLY-ETHER BLEND*			WATER	ALCOHOL		ALIPHATICS	ESTER OIL	PARAFFIN OIL	AROMATICS		
TEGOPREN® 5840	Trisiloxane	100														12	20-30	21		40-90	+	+	+	-	-	+
TEGOPREN® 5847	Trisiloxane	100														10	51-58	22	34	50-100	+	+	-	-	-	+
TEGOPREN® 5850	Side chain siloxane	100	•													13	85-95	30		300-450	+	+	-	+	-	+
TEGOPREN® 5852	Side chain siloxane	100														12	<20		22	220-380	disp.	+	-	+	-	+
TEGOPREN® 5873	Side chain siloxane	100														10	31	32		350-580	+	+	-	+	-	+

*low water content polyether blend (SFT 34 mN/m)

■ silicone-based product ■ organic-based product

ANTIFOAMS

Today's textile industry faces many conflicting challenges. Improved efficiencies and cost reductions through shorter product cycles need to be achieved. At the same time the highest quality standards need to be maintained, while providing continuous innovation in yarn and garment processing of natural and man-made fibres. Aside from the beneficial characteristics of the surfactants used (leveling

agents, scouring agents, wetting agents etc.), they are also responsible for the formation of foam during almost every stage of production. For instance, production will not be able to proceed at optimum speed if the jet fills with foam. So, care must be taken that the applied antifoam does not negatively impact the fabric quality by staining the fabric or does not disturb the machine runability.

PROTECTING AGENTS

Highly demanding processes in yarn and garment production require multi-functional additives. Our products have a wide range of properties such as emulsifiers or antistatic agents that help to protect both the machine, and the fiber filaments.

Antifoams for yarn and garment processing				YARN PROCESSING		GARMENT PROCESSING					
PRODUCT	COMPOSITION	ACTIVE MATTER [%]	CLASSIFICATION/ APPLICATION	MELT SPIN FINISHING Polyester; Polyamid	DRY SPIN FINISHING Carbon; Polyacetic acid	WET SPIN FINISHING Viscose; Polyacrylnitril	NON-WOVENS Polypropylen	TEXTILE LUBRICANTS Weaving and knitting oils	SIZING AUXILIARY Polyester; Polyamid	SCOURING AGENT Cotton; Viscose	BLEACHING AUXILIARY Alkaline peroxide bath
TEGO® Antifoam 3062	Organic modified siloxane	100	Self-dispersible antifoam oil	•	•					•	
TEGO® Antifoam MR 1015	Organic modified siloxane	70	Process antifoam	•		•			•	•	
TEGOPREN® 4506	Polyether siloxane	100	Non-polar dispersing auxiliary			•		•	•		
TEGOPREN® 5801	Polyether siloxane	100				•				•	
TEGOPREN® 6814	Alkyl modified siloxane	100								•	
SURFYNOL® MD 20	Organic molecular defoamer	100	Foam destabilizer				•				•

■ silicone-based product ■ organic-based product

Protection Agents		ACTIVE MATTER [%]	HYDROPHILIC-LIPOPHILIC BALANCE				AQUEOS SOLUBILITY	LUBRICANTS	ANTISTATICS	EMULSIFIERS	CORROSION INHIBITORS
PRODUCT	COMPOSITION		5	10	20	30					
TEGOPREN® 6922	Silicone quat	50			20		soluble		•		
REWOQUAT® CPEM	Coco pentaethoxy methyl ammonium methosulfate	100				28	soluble		•	•	
REWOPHAT® EAK 8190	Lauryl polyglycol ether based phosphoric acid ester	> 98				30	soluble	•		•	•
REWOCOROS® O 3	Fatty acid monoethanol amine (MEA) condensation product based on oleamide	100	10				dispersible			•	•

2

GARMENT FINISHING

PROCESSING

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- DYNOL® 360
- SURFYNOL® 440
- SURFYNOL® AD 01
- SURFYNOL® PSA 336
- TEGO® SQS 25

WETTING AND SPREADING AGENTS/HIGH FOAM PAGE 10

- REWOMINOX® L 408
- REWOPOL® L 203
- SURFYNOL® 465
- TEGO® Betain F 50

DEFOAMERS PAGE 12

- TEGO® Antifoam 2-89
- TEGO® Antifoam 730
- TEGO® Antifoam 1435
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- TOMADOL® 23-6.5
- TOMADOL® 25-7
- TOMADOL® 25-9
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- TEGOTEX® CS 8081
- TEGOTEX® MS 7510
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- REWOQUAT® W 75 H PG
- REWOQUAT® WE 38 DPG
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DENIM PROTECTION PAGE 18

- TEGOTEX® UV 5050
- REWOQUAT® W 75 H PG
- REWOQUAT® WE 15 DPG

ODOR ABSORBER PAGE 20

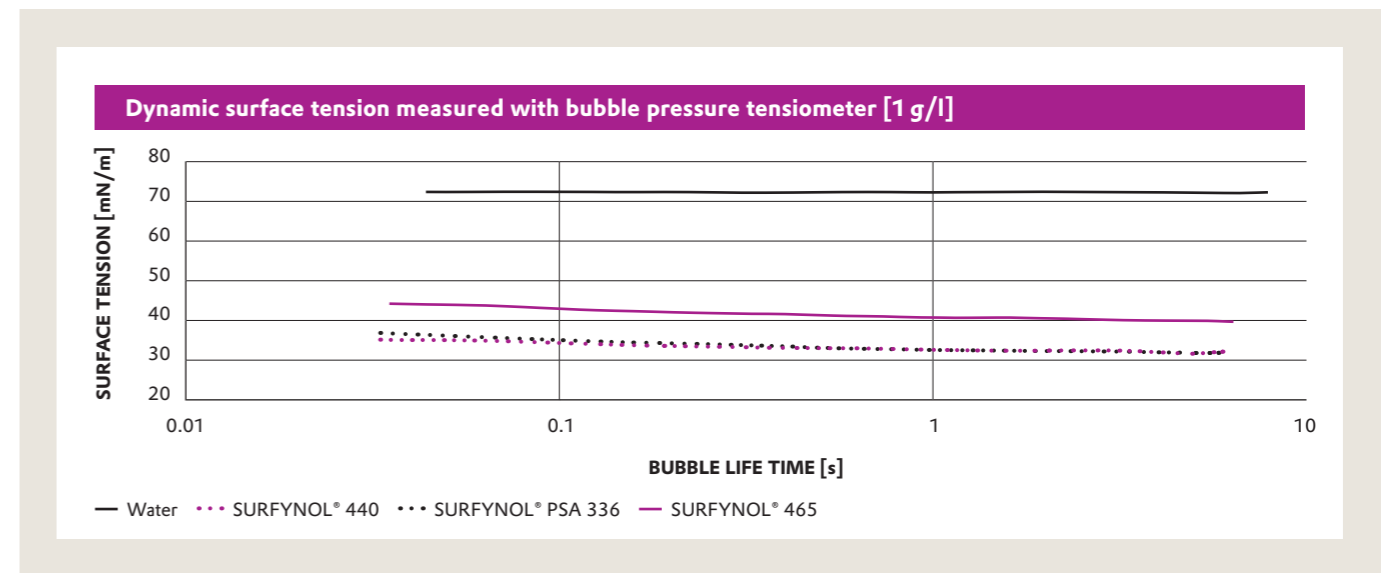
- TEGO Sorb® A 30

LEATHER TREATMENT PAGE 21

- TEGOPREN® 5863
- TEGOPREN® 6814
- TEGOPREN® 7008
- TEGOTEX® RT 1010
- REWOPOL® SB DO 75 PG
- REWOPOL® SB L 203
- REWOQUAT® W 90 DPG
- TEGO® Antifoam 2290
- TEGO Sorb® A 30

WETTING AND SPREADING AGENTS

The processes in garment finishing are highly dynamic. Here our low molecular wetting and spreading agents help to rapidly decrease the surface tension. Our oleo platform offers a diverse spectrum of different structures, including for example Gemini surfactants and ethoxylated molecules, which provide hydrophilic, or lipophilic behavior and good compatibility across the complete pH range.



Wetting and spreading agents

PRODUCT	COMPOSITION	ACTIVE MATTER [%]	SOLVENT	POLARITY				MOLECULAR WEIGHT [g/mol]			pH RANGE	SURFACE TENSION [mN/m] MEASURED BY PENDANT DROP METHOD AT 300 s, RT		VISCOSITY [mPas]
				HIGH			LOW	500	1000	10000		0.1 % IN H ₂ O		
LOW FOAM	DYNOL® 360	100						•	█			3-13	not soluble in water	120
	SURFYNOL® 440	100					•		█			3-12	33	<200
	SURFYNOL® AD 01	100						•	█			3-13	not soluble in water	2800
	SURFYNOL® PSA 336	100		•					█			5-9	32	<50
	TEGO® SQS 25	100					•		█			4-12	not soluble in water	4000-5000

PRODUCT	COMPOSITION	ACTIVE MATTER [%]	SOLVENT	POLARITY				MOLECULAR WEIGHT [g/mol]			pH RANGE	SURFACE TENSION [mN/m] MEASURED BY PENDANT DROP METHOD AT 300 s, RT		VISCOSITY [mPas]
				HIGH			LOW	500	1000	10000		0.1 % IN H ₂ O		
HIGH FOAM	REWOMINOX® L 408	30	water		•				█			1-14	29	400
	REWOPOL® SB L 203	40	water	•					█			6-8	32	<50
	SURFYNOL® 465	100					•		█			3-12	40	<200
	TEGO® BETAIN F 50	50	water		•				█			4-10	29	100

DEFOAMERS

Our TEGO® Antifoam and SURFYNOL® defoamer product ranges include concentrates, emulsion concentrates and ready to use emulsions. Depending on the product, they can either be added as an internal antifoam – where it is incorporated into the textile auxiliary to prevent foam formation, or added as an external antifoam, where it is added to destroy the foam as it

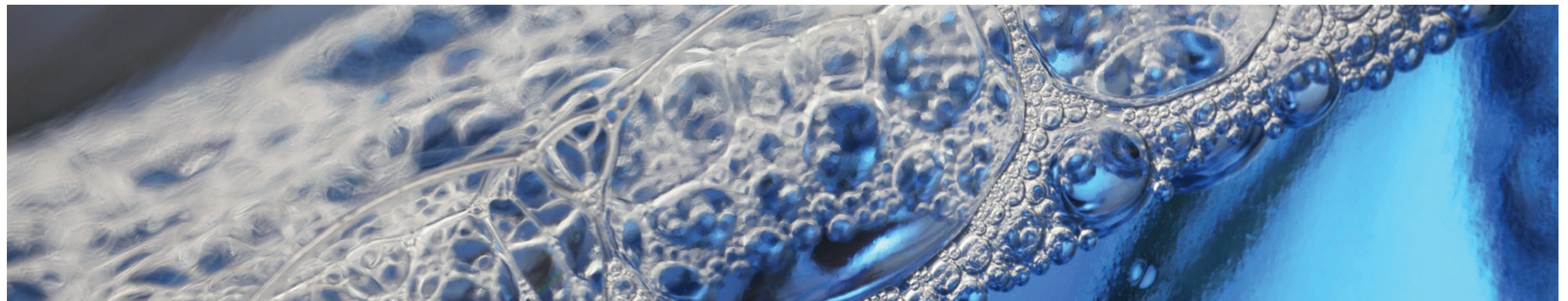
occurs. Our defoamers are based on organo-modified siloxanes, or on organic Gemini structures. Our organic and silicone anti-foams provide high stability and high efficiency during various textile application processes. In addition, we also offer silica and silicone oil-free defoamers.

EMULSIFIERS

Our complete range of TOMADOL® Ethoxylated Alcohol surfactants are made from linear synthetic alcohols and are named to indicate the structure of the surfactant.

Defoamers								
PRODUCT	COMPOSITION	ACTIVE MATTER [%]	CLASSIFICATION/ APPLICATION	DYEING BATH temperature sensitive process	TEXTILE PRINTING highly dynamic process	GARMENT FINISHING universal usable	SURFACE FINISH functional treatment	PROCESS WATER filterability and handling
TEGO® Antifoam 2-89	Organic modified siloxane	20	Process antifoam	•	•		•	
TEGO® Antifoam 730	Silicone oil	33–36					•	
TEGO® Antifoam 1435	Silicone oil	20						•
SURFYNOL® DF 110 D	Acetylenic diol	30	Foam destabilizer	•	•		•	

Emulsifiers						
PRODUCT	LINEAR ALCOHOL Carbon Chain Length	EO GROUPS Average	CLOUD PT. [°C]	SURFACE TENSION [mN/m] 1 g/l IN WATER	POUR PT. [°C]	HLB
TOMADOL® 1-9	C ₁₁	9	74	31	18	13.9
TOMADOL® 23 – 6.5	C ₁₂₋₁₃	7	43	28	15	12.0
TOMADOL® 25 – 7	C ₁₂₋₁₅	7	50	30	19	12.3
TOMADOL® 25 – 9	C ₁₂₋₁₅	9	74	30	21	13.1
TOMADOL® 45 – 7	C ₁₄₋₁₅	7	45	29	19	11.6



silicone-based product organic-based product



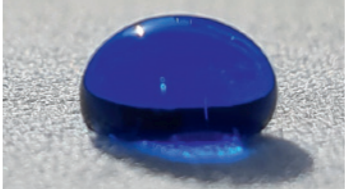
REPELLENTS

Our TEGOTEX® RT 2033 and 2040 are free of fluorocarbons and flammable liquids, both with properties that improve the soil and water repellency of many different kinds of fabrics. For synthetic fibers it also gives an extraordinary handfeel to


the fabric. In addition, it shows an excellent spray rating with minimal water pick up and good durability for cleaning in household washing machines. It disperses easily in water and does not contain SVHC above the threshold limit of 0.1 %.

Woven cotton: 144 g/l TEGOTEX® RT 2033

WATER REPELLENCY




BEFORE WASHING




AFTER WASHING
10* AT 40 °C

Polyester: 72 g/l TEGOTEX® RT 2040

WATER REPELLENCY



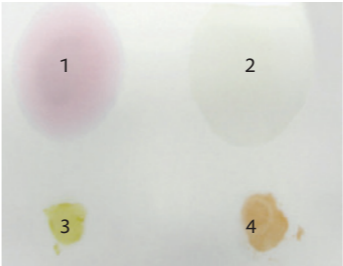
BEFORE WASHING



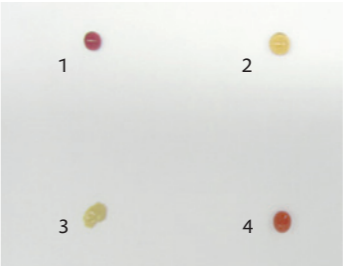
AFTER WASHING
10* AT 40 °C

Polyester/Cotton: 72 g/l TEGOTEX® RT 2033

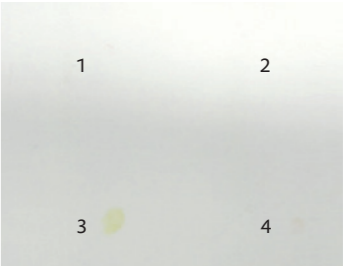
SOIL RELEASE



UNTREATED, WIPED OFF



TREATED FABRIC, APPLIED



TREATED FABRIC, WIPPED OFF

1 Red Wine 2 Cola 3 Mustard 4 Ketchup

Repellents

PRODUCT	COMPOSITION	ACTIVE MATTER [%]	RECOMMENDED TEMPERATURE	RECOMMENDED FABRICS AND DOSAGE [g/l]					WASHING DURABILITY	HANDFEEL
				COTTON	POLYESTER/ COTTON	POLYESTER	POLYAMIDE	POLYACRYL- NITRIL		
TEGOTEX® RT 2033	Polyamide Modified Siloxane	33	drying: 105 °C/2 min baking: 160-180 °C/0.5-2 min	50-150	70-150	25-100			++	++
TEGOTEX® RT 2040		40				50-100	15-75	25-100	+	++

+ good ++ very good

SOFTENERS

All fabrics, whether natural or synthetic-based, need to maintain a certain finish such as, soft to handle, smoothness or bulkiness, as well as retaining hydrophilicity. This applies to terry towels, knitted and woven fabrics as well as nonwoven fabrics.

Our extensive product portfolio comprises softeners based on organic modified siloxanes and different oleo-based molecules, like ester quats. They come as concentrated, easy to handle liquids or pastes to provide the high-quality base ingredients needed for your softener formulations.

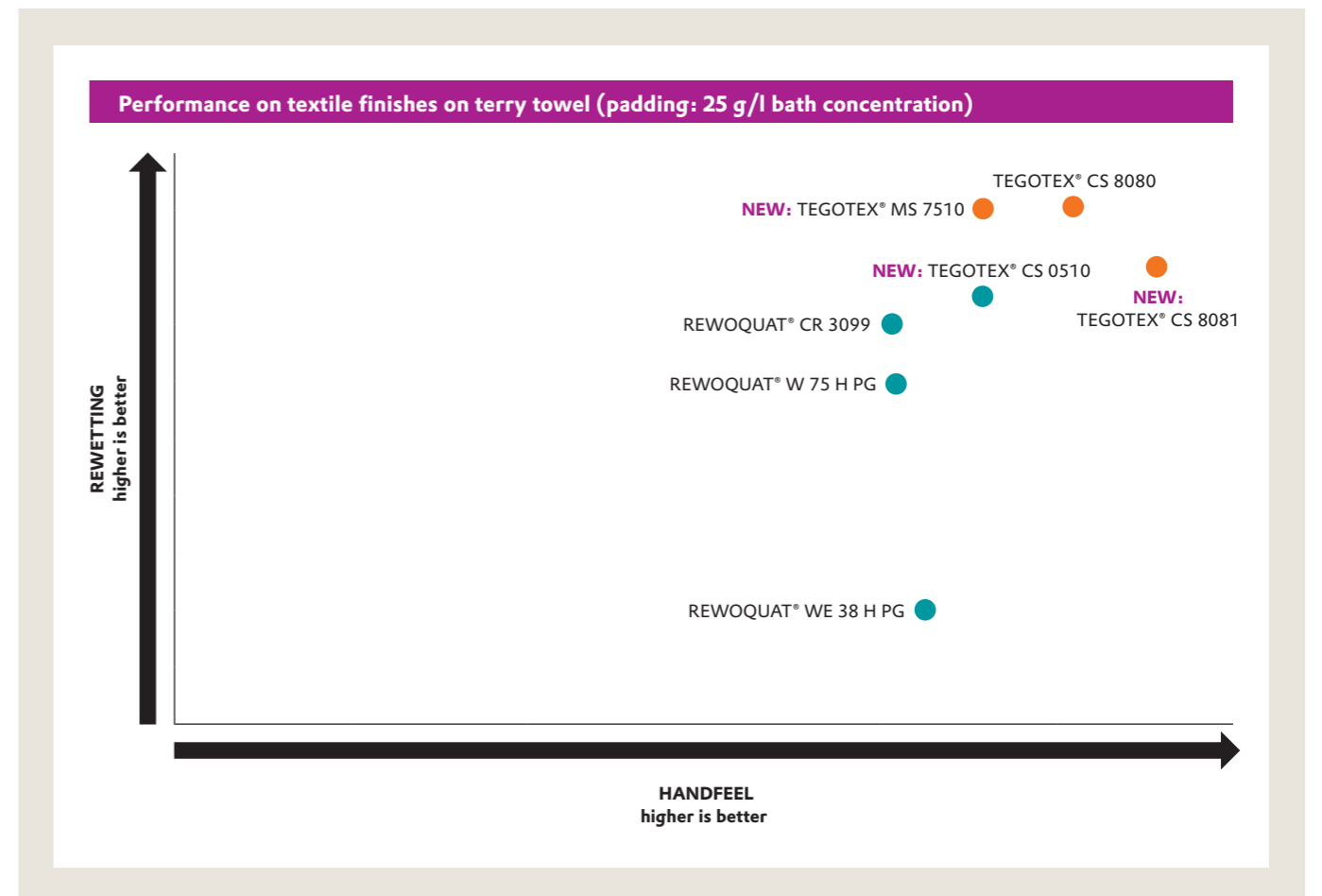


Softeners										
PRODUCT	COMPOSITION	ACTIVE MATTER [%]	SOLVENT	IONIC TYPE	PHYSICAL FORM	NON-YELLOWING	REWETTING	HANDFEEL	MAN-MADE FIBER	COTTON
TEGOTEX® CS 8080*	Quaternary organo modified siloxane	80	DPG	cationic	liquid	++	++	++		x
TEGOTEX® CS 8081*	Quaternary organo modified siloxane	80	DPG	cationic	liquid	++	+	++		x
TEGOTEX® MS 7510*	Polyether siloxane	100		nonionic	liquid	++	++	+	x	x
TEGOTEX® CS 0510	TEA-Esterquat, vegetabile	100		cationic	liquid	+	++	+		x
REWOQUAT® WE 38 DPG	TEA-Esterquat, vegetabile	85	DPG	cationic	paste	+	○	+		x
REWOQUAT® CR 3099	MDIPA-Esterquat, vegetabile	100		cationic	liquid	+	+	+		x
REWOQUAT® W 75 H PG	Imidazoline quat, methosulfate	75	PG	cationic	solid	+	+	+	x	x

○ acceptable + good ++ very good

* does not contain SVHC above the threshold limit of 0.1 %.

silicone-based product organic-based product



Our products have a unique chemical composition that provides a wide variety of properties to enhance fabrics, like outstanding handfeel or rewetting. This diagram compares the improvement of handfeel and rewetting properties through our different products, where the horizontal axis shows the

handfeel and the vertical axis shows the rewetting. For both, the higher value shows the better performance. Based on the color of the dots, the chemical composition can be identified. Products were applied by padding with a concentration of 25 g/l on a terry towel.

DENIM PROTECTION

Denim products require excellent non-yellowing and anti-fading characteristics, while also providing the pleasant hand-feel that the shoppers demand. Our TEGOTEX® UV 5050 provides outstanding skin protection in low concentration and is specially designed for light and bright-colored fabrics.

Denim protecton

PRODUCT	COMPOSITION	ACTIVE MATTER [%]	SOLVENT	IONIC TYPE	PHYSICAL FORM
TEGOTEX® UV 5050	Organic modified polydimethylsiloxane	50	DPG	cationic	liquid
REWOQUAT® WE 15	TEA-Esterquat, vegetable	85	DPG	cationic	liquid
REWOQUAT® W 75 H PG	Imidazoline quat, methosulfate	75	PG	cationic	paste



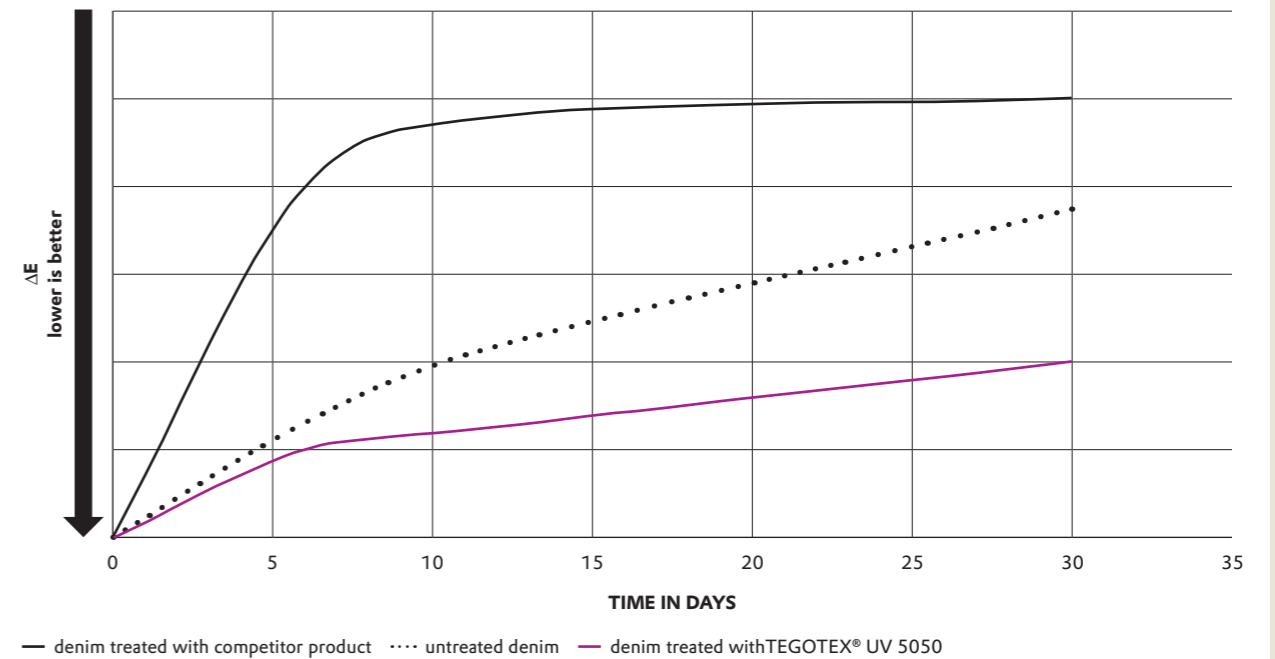
Formulation for denim protection

	DOSAGE [%]
TEGOTEX® UV 5050	1.8
REWOQUAT® WE 15	1.5
REWOQUAT® W 75 H PG	13.3
Acetic acid	0.2
Water	83.2

PROCESSING

Melt REWOQUAT® W 75 H PG at approx. 60 °C, add REWOQUAT® W 15 and TEGOTEX® UV 5050. Heat up water to approx. 65 °C and add slowly to premixture. Keep stirring until it reaches room temperature.

Colorfastness on denim treated with TEGOTEX® UV 5050 (padding 25 g/l bath concentration)



The chart above shows the delta E value of denim, which was exposed to UV light for longer (seen on the x-axis). The intensity of the UV light represents the intensity of UV light found at the Mediterranean Sea. The denim was treated

with a formulation which included a product which contains oxybenzone or TEGOTEX® UV 5050 (formulation shown above) for color protection compared to the same formulation also containing TEGOTEX® UV 5050.

ODOR ABSORBER

Odor Absorbency can help to improve the overall freshness and smell of textiles and leathers which can deteriorate during the production, storage or long transport.

TEGO Sorb® permanently removes odor causing substances by chemically binding them together and is based on:

- Amines (nicotine in cigarette smoke),
- Thio compounds (allicin in garlic and onions) and
- Acids (isovaleric acid in human sweat, butyric acid)

Formulation Guideline

	%
Water	89
Methylglycine diacetic acid	1
TEGO Sorb® A 30	10

Blend ingredients in given order while stirring.
Recommended dosage: 0,2 g TEGO Sorb® A 30/g fabric.

Odor Absorber

PRODUCT	COMPOSITION	ACTIVE MATTER [%]	SOLVENT	IONIC TYPE	PHYSICAL FORM
TEGO Sorb® A 30	Zinc ricinoleate with special solubilizers	30	water	nonionic	liquid



LEATHER TREATMENT

Leather needs to be treated to improve the handfeel and to increase a garment's lifetime. We offer specialty additives to help improve the properties of leather products, e.g. shoes and

luggage. Our TEGOPREN® series provides excellent wetting and spreading for water and oil-based systems. Defoamers, emulsifiers and malodor absorbers complete our portfolio.

Processing agents

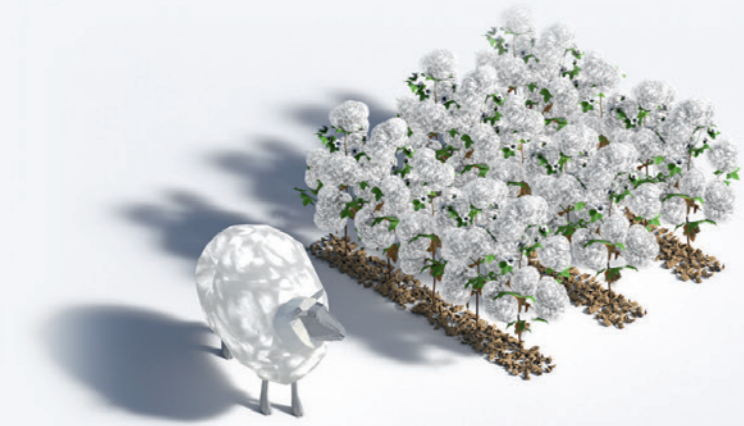
PRODUCT	COMPOSITION	ACTIVE MATTER [%]	SOLVENT	IONIC TYPE	PHYSICAL FORM	FUNCTIONALITY
TEGOPREN® 5863	Polyether siloxane	100		nonionic	liquid	oil and water spreading agent
TEGOPREN® 6814	Alkyl modified siloxane	100		nonionic	liquid	oil-spreading agent
TEGOPREN® 7008	Alkyl and polyether modified siloxane	100		nonionic	liquid	oil-spreading agent and emulsifier
TEGOTEX® RT 1010 NEW	Carboxyfunctional siloxane	100		nonionic	liquid	water repellent for shoe leather
REWOPOL® SB DO 75 PG	Sodium diisooctyl sulfosuccinate	75	Propylene glycol/water	anionic	liquid	wetting agent
REWOPOL® SB L 203	Disodium Lauramido MEA-Sulfosuccinate	40	water	anionic	liquid	surfactant
REWOQUAT® W 90 DPG	Imidazoline quat, methosulfate	90	Dipropyl-glycol	cationic	paste	emulsifier
TEGO® Antifoam 2290	Mineral oil-based antifoam	100		nonionic	liquid	defoamer
TEGO Sorb® A30	Zinc di-ricinoleate with special solubilizers	30	water	nonionic	liquid	malodour absorber



ESPECIALLY ON SHOE LEATHER

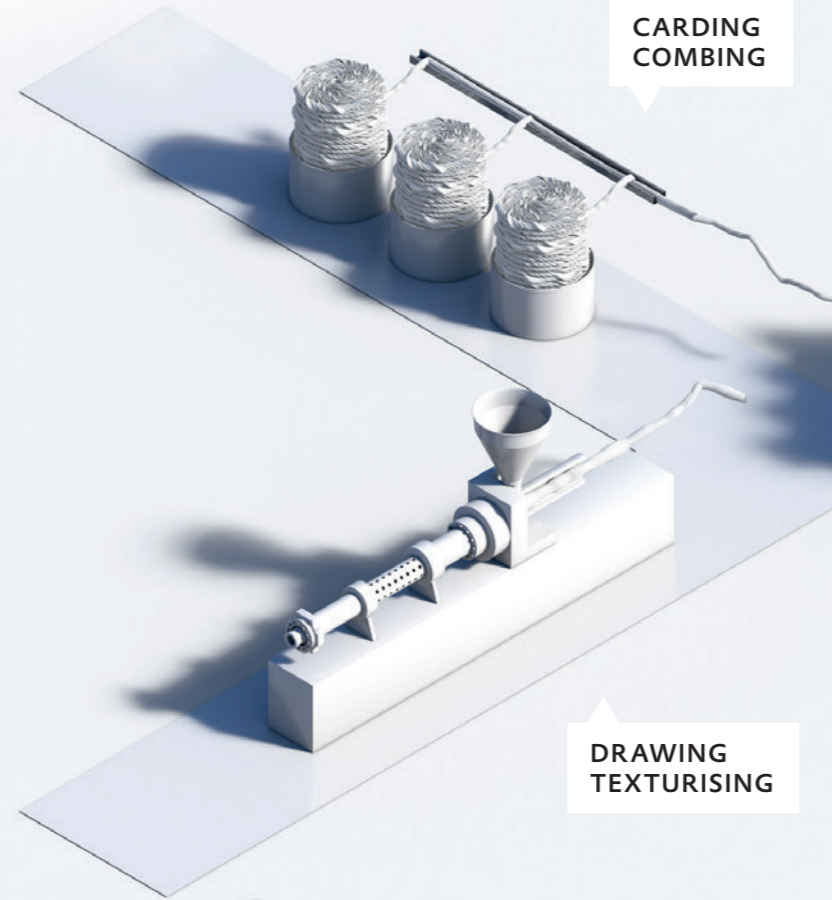
TEGOTEX® RT 1010 offers a permanent hydrophobization of the treated leather combined with maintaining the perfectly soft handfeel.

TEXTILE MANUFACTURING



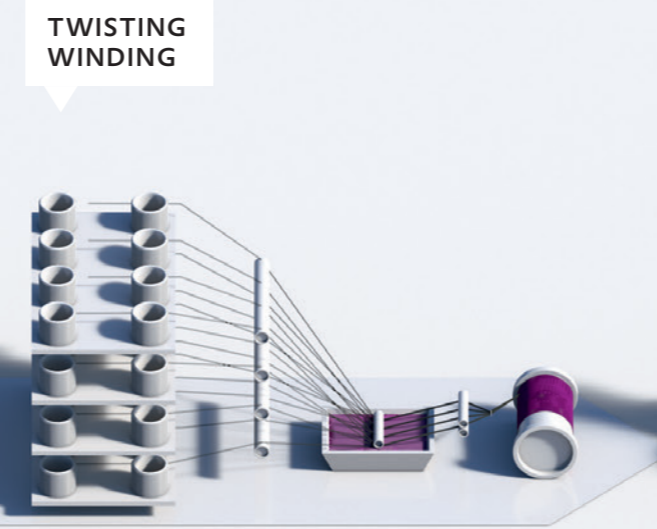
YARN AND GARMENT PROCESSING

GARMENT FINISHING

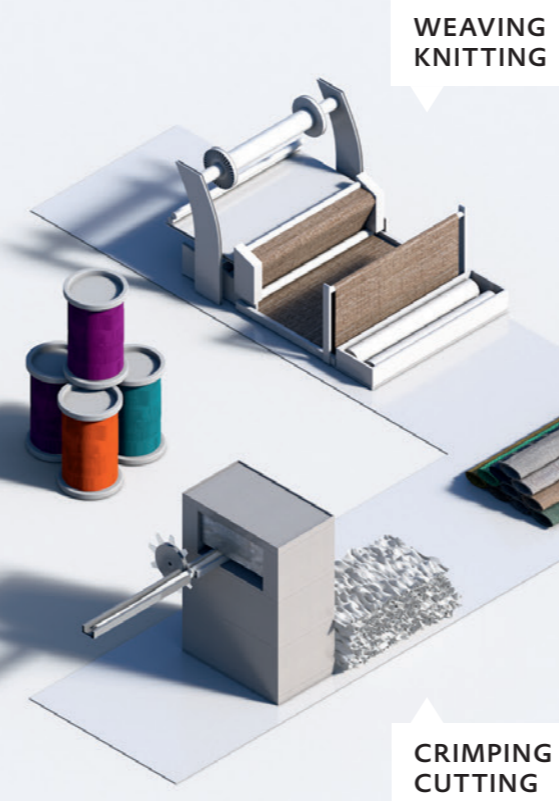


CARDING
COMBING

DRAWING
TEXTURISING

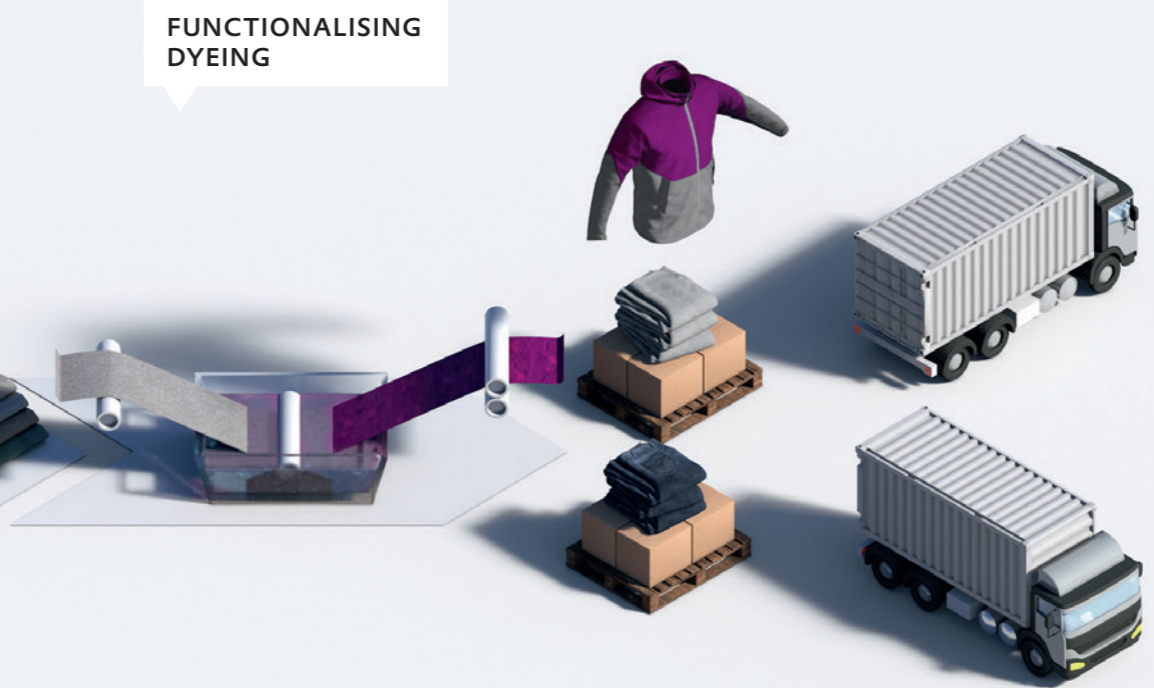


TWISTING
WINDING



WEAVING
KNITTING

CRIMPING
CUTTING



FUNCTIONALISING
DYEING

PROCESSING

ANTIFOAMS/BOOSTER	TEGO® ANTIFOAM
LUBRICANTS	TAGAT®
WETTING AGENTS/ANTISTATIC	TEGOPREN®
EMULSIFIERS	REWOQUAT®
CORROSION INHIBITORS	REWOCOROS®

TREATMENT

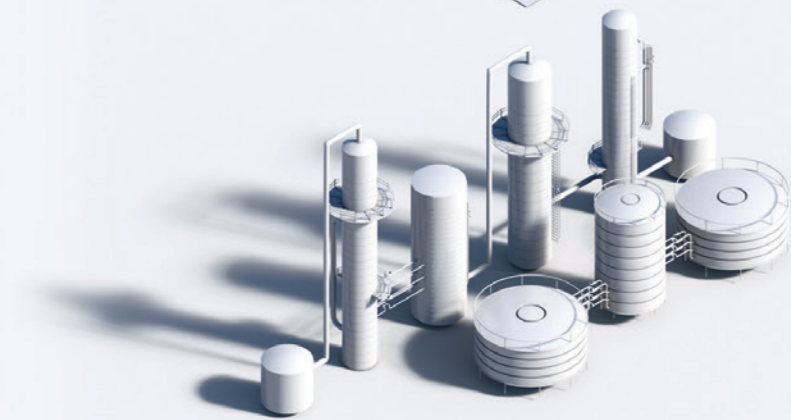
REACTIVES	TEGOMER®
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PROCESSING

DEFOAMER	TEGO® ANTIFOAM
WETTING/SPREADING AGENTS	SURFYNOL®
EMULSIFIERS	TOMADOL®

TREATMENT

FUNCTIONAL TREATMENT	POST-FINISHING	
SOFTENER	JEANSWASH	TEGOTEX® CS
REPELLENTS	LEATHER TREATMENT	TEGOTEX® RT
UV-ABSORBER		TEGOTEX® UV
ODOR ABSORBER		TEGO SORB®
REACTIVES		TEGOMER®



Textile Manufacturing

Starting from either natural cotton and wool, or from synthetic manmade fibers, efficient textile manufacturing requires cost reductions through shorter product cycles and innovations in garment processing.

Evonik's diverse additives portfolio helps to improve the performance of textile auxiliaries' formulations while delivering the continuous innovation the industry demands.

YARN AND GARMENT PROCESSING

For yarn production stable emulsions are essential. Our processing additives have different functions like TEGOPREN® wetting agents and TEGO® Anti-foam defoamers.

protection additives like TEGOPREN® antistatic agents, or REWOCOROS® corrosion inhibitors offer a wide range of properties to enhance the effects of the formulation.

High speed processes demand protection for the fiber itself as well as protection for the machines. Our

GARMENT FINISHING

All fibers, whether natural or synthetic-based need to obtain a certain finish such as soft handle, smoothness or bulkiness, as well as hydrophilicity. This applies to terry towels, knitted and woven fabric as well as nonwovens. In the final step of the textile production process the garment is treated for the desired end use.

created hydrophilicity and water repellency and stronger UV protection.

Different treatments containing TEGOTEX® products help to give better results, like softer handfeel, in-

Evonik also offers various processing additives which support the treatment processes when it comes to foam control or wetting and emulsifying. Here our SURFYNOL® products offer an outstanding wetting behavior and our TOMADOL® products are excellent emulsifiers in garment finishing emulsions.

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