



PRODUCTS FOR TECHNICAL TEXTILES



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**CHEMISTRY BEHIND
GOOD FEELINGS**

PRODUCTS FOR TECHNICAL TEXTILES

PRODUCT NAME	IONIC NATURE	DESCRIPTION
OIL, WATER & STAIN REPELLENTS		
Careguard-66 (New)	n / wc	<ul style="list-style-type: none">• Is based on C6 fluorocarbon chemistry used for durable oil and water repellency.• It is suitable for all types of substrate and their blends.• This finish can be applied for:<ul style="list-style-type: none">- Artificial turfs, sleeping bags, tents, seat covers, car interiors.- Carpets, table cloths, home furnishings, Tarpaulins, Awning, Canopies and Umbrella.
Careguard-SV	n / wc	<ul style="list-style-type: none">• Careguard-SV is water and oil-repelling fluoropolymer based on C6 chemistry.• It confers highly durable water and oil repellency effects on various substrates viz., polyester, cotton, wool fibres and their blends.• It can be applied by padding, foam and by spray technique.• This finish can be applied for:<ul style="list-style-type: none">- Artificial turfs, sleeping bags, tents, seat covers, car interiors.- Carpets, table cloths, home furnishings.- Tarpaulins, Awning, Canopies and Umbrella.
Careguard-314	n	<ul style="list-style-type: none">• Careguard-314 is a new generation water and oil repelling fluorocarbon based on C6 Chemistry.• It imparts best results on polyamide fabrics.• It is an ideal product for synthetic fabrics.• It can be applied by padding, foam and by spray technique.• It is ideal to use Careguard-314 in coating.
Careguard-SP	n	<ul style="list-style-type: none">• Careguard-SP is a C6 based water and oil repelling fluorocarbon.• It imparts durable water and oil repelling effects on various substrates viz., Acrylic, polyamide and polyester.• It can be applied by padding, foam and by spray technique.
Careguard-NI	n	<ul style="list-style-type: none">• Careguard-NI is a new generation water and oil repelling fluorocarbon based on C6 Chemistry.• It imparts high water repellency and average oil repellency on the treated substrates.• It imparts durable water and oil repelling effects on various substrates.• It passes Bundesmann test.
Careguard-6NI	wc	<ul style="list-style-type: none">• Careguard-6NI is a new generation cost effective water and oil repelling fluorocarbon based on C6 Chemistry.• It imparts durable water and oil repelling effects on various substrates viz., polyester, cotton, nylon, wool fibres and their blends.
Careguard-FF	n / wc	<ul style="list-style-type: none">• Careguard-FF is a fluorine free speciality product for water repellency and rainproofing for cellulosic and its blends.• Careguard-FF gives best results on 100% cellulosic fabrics with spray rating of 90-100.• The performance of Careguard-FF is very close to C6 fluoro chemicals in terms of water repellency and durability.• It imparts sewability and also provides better resistance to abrasion and tear.• They can also be applied on nonwoven substrates.
Ecoguard-SYN (Conc)	n / wc	<ul style="list-style-type: none">• A fluorine-free water repellent especially developed for synthetics and blends.• This finish can be applied for:<ul style="list-style-type: none">- Artificial turfs, sleeping bags, tents, seat covers, car interiors and- Carpets, table cloths, home furnishings,- Tarpaulins, Awning and Canopies.
Ecoguard-SR6	n / wc	<ul style="list-style-type: none">• Ecoguard-SR 6 is a new generation stain releasing fluorocarbon based on C6 chemistry.• It imparts very good stain release properties on cotton, polyester and their blends.• It also imparts oil and water repellency.• The finish on substrate allow the stains to leave fabric faster and makes the fabric clean.• Treated fabric is durable to multiple home launderings.

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FLAME RETARDANTS

Flamguard-PS	a	<ul style="list-style-type: none"> • Flamguard-PS is durable flame retardant for 100% polyester. • It can be applied by exhaust method* Flamguard-PS is halogen free. • Fabric finished with Flamguard-PS shows minimum effect on shade and posses good fastness to home laundering and dry cleaning. • Flamguard-PS does not have any effect on the drape of the treated fabric. • Flamguard-PS has low volatility and does not lead to fogging. • This finish is very important for products which need protection against fire for e.g.: <ul style="list-style-type: none"> - Seat covers, seat belts, car interiors, carpets of the car. - Artifical turfs, balloning fabric, parachutes, sleeping bags and tents. - Curtains, table cloths, bed linens. - Protective textiles-Fire fighters and work wear.
Flamguard-BC	wa	<ul style="list-style-type: none"> • Flamguard-BC is a durable Halogen and formaldehyde free flame retardant finishing chemical for polyester fabrics. • It is suitable for application by back coating method. • It has high flame resistance and imparts durable, non-hygroscopic, non-corrosive, non-plasticizing and thermostable FR finish. • The finish is stable to UV radiation, heat as well as humid conditionsThis finish is very important for products which need protection against fire for e.g.: <ul style="list-style-type: none"> - Seat covers, seat belts, car interiors, carpets of the car. - Artifical turfs, balloning fabric, parachutes, sleeping bags and tents. - Curtains, table cloths, bed linens. - Protective textiles-Fire fighters and work wear.
Flamguard-DPS.	n	<ul style="list-style-type: none"> • Flamguard-DPS. is durable flame retardant finishing chemical for 100% polyester and polyamide fabrics. • It is applicable by padding and by spray method. • Flamguard-DPS is halogen free and it shows minimum effect on shade and posses good fastness to home laundering and dry cleaning. • Flamguard-DPS does not have any effect on the drape of the treated fabric. • Flamguard-DPS has low volatility and does not lead to fogging. • This finish is very important for products which need protection against fire for e.g.: <ul style="list-style-type: none"> - Seat covers, seat belts, car interiors, carpets of the car. - Artificial turfs, balloning fabric, parachutes and tents. - Curtains, table cloths, bed linens. - Protective textiles-Fire fighters and work wear.
Saraflam-TR	n	<ul style="list-style-type: none"> • Saraflam-TR is an economical flame retardant for cellulosic, synthetic fibres and their blends. • Saraflam-TR is a halogen and antimony free flame retardant. • Fabric treated with Saraflam-TR is durable to dry cleaning but not to washing as Saraflam-TR is soluble in water. • Saraflam-TR is recommended for Furnishing fabrics, tent fabrics, tndustrial covers etc.
Saraflam-TF	n	<ul style="list-style-type: none"> • Saraflam-TF is a water soluble, non-durable flame retardant finishing agent for 100% polyester and its blends. • It can be applied by pad and spray application. • Saraflam-TF can also be applied on garments via garment drum machine. • Saraflam-TF finished fabric acquires soft & dry handle. • Saraflam-TF is recommended for furnishing fabrics, tent fabric, etc. Fabric finished with Saraflam-TF is durable to drycleaning.
Saraflam-CD	a	<ul style="list-style-type: none"> • Saraflam-CD is a water soluble non durable flame retardant for polypropylene, cellulosic, synthetics and their blends. • It is durable to dry cleaning but non durable to washing. It imparts soft handle.

ANTIMICROBIAL AGENTS

Saraguard-FL	c	<ul style="list-style-type: none"> • Saraguard-FL is a cost effective, methanol free antimicrobial agent for finishing of Cotton, Polyester and their blends. • Saraguard-FL can be applied by padding, exhaust, soaking and spraying methods. • Saraguard-FL is a non-leaching antimicrobial agent. • It is effective against broad spectrum of microbes.
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Saraguard-5700	c	<ul style="list-style-type: none"> • A methanol free durable antimicrobial and fungicide for broad spectrum microbes such as <i>Escherichia coli</i>, <i>Staphylococcus auerus</i>, <i>Methicillin-resistant Staphylococcus aureus (MRSA)</i> and <i>Klebsiella pneumoniae</i>. • Suitable for finishing all types of textile substrate. • Can be applied by pad, exhaust, spray application and coating. • This finish can be applied for: <ul style="list-style-type: none"> - Footwear, sleeping bags, seat covers. - Bedding and medical textiles. - Tent, tarpaulins and truck covers. - Mattress, pillow components, stuff toys, upholstery. - Geo cells and Geo bags. - Packaging material, nonwoven bags.
Zoroguard-ZP	n	<ul style="list-style-type: none"> • Zoroguard-ZP is zinc pyrithione based antimicrobial and antifungal agent. • Zoroguard-ZP is effective against broad spectrum of microbes. • It is suitable for all types of substrates viz cotton, polyester, polyamide, wool and their blends. • It is leaching antimicrobial agent. • Zoroguard-ZP passes AATCC-30, AATCC-147 and AATCC-100 test methods.

MOISTURE MANAGEMENT FINISH

Estofeel (Conc)	n	<ul style="list-style-type: none"> • A durable hydrophilic, antistatic, soil release, soil resistant finishing agent. • Suitable for polyester, polyamide and their blends. • It can be applied by padding or spray method. • It can be applied for active wears and footwears.
Moisture-Guard	c	<ul style="list-style-type: none"> • It is a durable moisture management product. • Suitable for cotton and polyamide substrates. • Improves wicking properties. • It can be applied by padding or spray method. • It can be applied for active wears and footwears.

MOSQUITO REPELLENT FINISH

Repello-MSQ	a	<ul style="list-style-type: none"> • It is a durable micro dispersed product based on permethrin, to repell and kill mosquitoes. • Can be applied on cellulosic and other substrates. • It is suitable for exhaust as well as for padding. • This finish can be applied for: <ul style="list-style-type: none"> - Tent fabrics, sleeping bags, bed sheets, home furnishing, curtains & mosquito nets.
Saraguard-MOSQ	n	<ul style="list-style-type: none"> • A durable micro encapsulated product based on DEET chemistry to repel mosquitoes for polyester. • It is suitable by pad application. • This finish is suitable for: <ul style="list-style-type: none"> - Tent fabrics, sleeping bags, bed sheets, home furnishing, curtains & mosquito nets.

UV PROTECTIVE AGENTS & LIGHT FASTNESS IMPROVERS

Yuvi-493	a	<ul style="list-style-type: none"> • Yuvi-493 is a highly efficient UV absorber for polyester and its blends. • It improves the light fastness of polyester dyeings with disperse dyes. • It also reduces the fibre damage due to photochemical degradation. • This finish can be applied on fabrics used for: <ul style="list-style-type: none"> - Balooning and parachute fabrics. - Seat covers and car interiors. - Blinds, Canopies, awnings, Tarpaulins. - Mulch mats, Sunscreens, Bird protection nets, wind protection net.
Yuvi-Cell	n	<ul style="list-style-type: none"> • Yuvi-Cell is an UV protector for cellulosic fabrics. • It exhibits excellent ultraviolet absorbing properties and is durable to home launderings. • Yuvi-Cell tretaed fabric shows UPF rating upto 50+. • Yuvi-Cell also enhances the colour fastness of the substrates to light and perspiration. • This finish can be applied on fabrics used for sports wear, beach wears and sun parasols.

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FRAGRANCE FINISH

Superfresh range	wa	<ul style="list-style-type: none"> • Superfresh range is new range of micro encapsulated aroma finishes. • It imparts durable fragrance to the fabric. • They can be applied on synthetic and natural fabrics. • This finish is applied for active wear, sleeping bags, seat covers and home furnishings.
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BODY IMPARTING AGENT / BINDER FOR NONWOVEN

Autofin-DR	a	<ul style="list-style-type: none"> • Autofin-DR is a finishing agent in liquid form which imparts bulkiness or body to polyester. • It is durable to boiling water. • Autofin-DR can also be applied on P/V fabric to impart body. • This finish can be applied for home furnishings, carpets, table cloths, car interiors, roller blinds and shower curtains.
Stifnol-NW	–	<ul style="list-style-type: none"> • Stifnol-NW is a speciality product to impart stiffness and body to cotton, polyester and their blends. • They are also suitable for nonwoven fabrics to impart body. • The treated fabric can be top coated with required finishes.
Sarastiff-GK	n	<ul style="list-style-type: none"> • Sarastiff-GK is specially developed finishing product to impart stiff finish to nonowvens made of cotton, viscose, polyester and their blends. • Sarastiff-GK is specially recommended for finishing of collar interlining. • Fabric finished with Sarastiff-GK remains stiff even under long storage period and does not loose stiffness even if relative humidity is high.

ANTISTATIC AGENT

Antistat-CD	n	<ul style="list-style-type: none"> • Antistat-CD is specially developed finishing agent for hydrophobic fibres such as polyester to overcome static charges generated. • This finish can be applied mainly for Carpets, medical textiles and nonwoven gowns.
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ANTIPELLING AGENTS

Helafin-42	a	<ul style="list-style-type: none"> • Helafin-42 improves resistance to pilling and snagging and also reduces the tendency of seam slippage. • This finish can be applied on cotton, polyester and their blends. • This finish is very integral for carpets, seat belts, seat covers of cars, artificial turfs.
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HYDROPHILIC AGENTS

Aquafinish-158	n / wc	<ul style="list-style-type: none"> • Aquafinish-158 is a new generation hydrophilic macro polysiloxane which gives extra ordinary smooth soft surface. • It can be applied by exhaust as well by padding method. • It is suitable forterry towels, knits and woven fabric. • Finishing with Aquasoft-158 leads to softness and increased hydrophilicity of the fabric. • This finish is very integral for incontinence products like baby diapers, adult diapers and female hygiene products.
Wetfin-NS	n	<ul style="list-style-type: none"> • Is a innovative silicone free hydrophilic agents which can be used to enhance the absorbency of synthetic fibres like polyester and polyolefin fibres. • This finish can be applied by padding on nonwoven fabrics also. • This type of finish is very useful where instant absorbency is required. • This finish is very integral for incontinence products like baby diapers, adult diapers and female hygiene products.

CHLORNIE FASTNESS IMPROVERS

Saradye-429 (MOD)	n	<ul style="list-style-type: none"> • Saradye-429 (MOD) is a speciality product to improve the fastness to chlorinated pool water. • It is highly efficient on polyamide fabrics dyed/printed with acid dyes. Saradye-429 (MOD) has minimum effect on light fastness and tone of the treated material. • Saradye-429 (MOD) does not affect the original handle and absorbency of fabric. • This finish can be applied on swimwears and any textile material which come in contact with chlorine water.
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COATING AGENTS

Fabcoat-WB	a	<ul style="list-style-type: none"> Fabcoat-WB is a PU base coating, recommended as a coating compound for outdoor fabrics like cordura. It forms a clear and tack free films with high water coloumn. To obtain high water column, two coating of Fabcoat-WB is recommended. Fabcoat-WB is ready to use coating compound but the viscosity of the product can be decreased by adding water.
Fabcoat-AR	a	<ul style="list-style-type: none"> Fabcoat-AR is an Acrylic coating, recommended as a coating compound for outdoor fabrics like sunscreens blinds. It is also used to impart body, dimensional stability to the fabric. It provides excellent UV and weather resistance.

**ionic nature: a- anionic, c- cationic, n- non ionic, wa- weakly anionic, wc- weakly cationic*



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