



PRODUCTS FOR TECHNICAL TEXTILES



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CHEMISTRY BEHIND
GOOD FEELINGS

PRODUCTS FOR TECHNICAL TEXTILES

PRODUCT NAME	IONIC NATURE	DESCRIPTION
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COATING AGENTS / AUXILIARIES

Fabcoat-PU 50	a	<ul style="list-style-type: none"> ▪ It is a high solid water based polyurethane which will give soft feel on coating. ▪ Viscosity of the product can be adjusted by adding thickener. ▪ Addition of 2-3% Saraprint-AC is recommended to increase the wash fastness of the coating.
Fabcoat-AR 100	a	<ul style="list-style-type: none"> ▪ Fabcoat-AR 100 is an Acrylic coating agent, recommended as a coating compound for outdoor fabrics like sunscreens blinds & Anti-fraying. ▪ It is also used to impart body, dimensional stability to the fabric. ▪ It can be added in the formulation to get medium hard feel on the fabric.
Saraprint-AC	n	<ul style="list-style-type: none"> ▪ Saraprint-AC is a melamine formaldehyde based cross-linker. ▪ Addition of Saraprint-AC in the recipe enhance the wash fastness of the coated fabric and also reduces the tackiness.
Synthick-P328	a	<ul style="list-style-type: none"> ▪ Synthick-P328 is a highly concentrated thickener. It disperses readily in water. ▪ Addition of 2-3 % of Synthick-P328 will give the desired coating viscosity.

OIL, WATER & STAIN REPELLENTS

Careguard-OR 606	n	<ul style="list-style-type: none"> ▪ Careguard-OR 606 is a new generation water and oil repellent fluorocarbon based on C6 Chemistry. ▪ It gives very high oil and solvent repellency. The performance of Careguard-OR 606 will be closer to that of C8 Chemistry. ▪ It can pass EN469:2006/1M:2007 (Gutter Test). ▪ It is suitable for Protective and military clothing.
Careguard-OR 359	n	<ul style="list-style-type: none"> ▪ Careguard-OR 359 is a new generation water and oil repellent fluorocarbon based on C6 Chemistry. It gives very high oil repellency. ▪ The performance of Careguard-OR 359 will be closer to that of C8 Chemistry. ▪ It can pass EN469:2006/1M:2007. (Gutter Test) ▪ It is suitable for Protective and military clothing.
Ecoguard-786	n / wc	<ul style="list-style-type: none"> ▪ Is based on C6 fluorocarbon chemistry, it is used for achieving durable, high oil and water repellency. It is suitable for all types of substrate and their blends. ▪ This finish can be applied on Military fabrics, work wear and home furnishing fabrics.
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 on Military fabrics, work wear, apparels and home furnishing fabrics.
Careguard-SV	n / wc	<ul style="list-style-type: none"> ▪ Careguard-SV is cost effective, 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 spray technique.
Careguard-LTH	n	<ul style="list-style-type: none"> ▪ Careguard-LTH is a cost effective water and oil repelling fluorocarbon & suitable for high speed finishing. It can be applied by padding, foam and spray technique. ▪ It imparts durable water and oil repelling effects, and is highly suitable for synthetic fabrics.
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 is ideal to use Careguard-314 in coating recipe. ▪ It imparts best results on polyamide fabrics. It is an ideal product for synthetic fabrics. ▪ It can be applied by padding, foam and spray technique.

FLUORINE FREE WATER REPELLENTS

Ecoguard-NEW	n / wc	<ul style="list-style-type: none"> ▪ Ecoguard-New is a fluorine free speciality product for imparting very good water repellency specially on Cellulosic substrates & their blends. The performance of Ecoguard-New is better than the conventional paraffin wax and Acrylate based products.
Ecoguard-SYN (Conc)	n / wc	<ul style="list-style-type: none"> ▪ A fluorine-free water repellent especially developed for synthetics and blends.

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Careguard-FF	n / wc	<ul style="list-style-type: none"> ▪ A cost effective fluorine-free water repellent especially developed for synthetics and blends.
FLAME RETARDANTS		
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 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, ballooning fabric, parachutes and tents. - Curtains, table cloths, bed linens. - Protective textiles-Fire fighters and work wear.
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 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, ballooning 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 thermos table FR finish. ▪ The finish is stable to UV radiation, heat as well as humid conditions. ▪ 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, ballooning fabric, parachutes, sleeping bags and tents. - Curtains, table cloths, bed linens. - Protective textiles-Fire fighters and work wear.
Saraflam-CD	a	<ul style="list-style-type: none"> ▪ Saraflam-CD is a water soluble non durable flame retardant for Polyester, Polyamide and their blends. ▪ It is durable to dry cleaning but non durable to washing. It imparts soft handle.
Saraflam-PDR	n	<ul style="list-style-type: none"> ▪ Saraflam-PDR is a water soluble non durable flame retardant available in powder form for polypropylene, cellulosic, synthetics and their blends. ▪ It is durable to dry cleaning but non durable to washing. ▪ It imparts soft handle.
Saraflam-CWF (M)	n	<ul style="list-style-type: none"> ▪ Saraflam-CWF (M) is an organo phosphorous durable flame retardant for 100% cellulosic fibres such as cotton and regenerated cellulosic fibres like viscose,modal,tencel. ▪ Saraflam-CWF (M) chemically reacts with these fibres thereby imparting durable flame retardancy which can withstand several launderings and dry cleanings. ▪ Saraflam-CWF (M) does not affect the drape of the fabric and does not leave any white residue on the fabric thus minimum effect on shade.
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 aureus</i>, <i>Methicillin-resistant Staphylococcus aureus</i> (MRSA) and <i>Klebsiella pneumoniae</i>. ▪ Suitable for finishing all types of textile substrate. ▪ Can be applied by pad, exhaust, spray application. ▪ 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 agent and antifungal agent. ▪ Zoroguard-ZP exhibits antibacterial activity as well. ▪ 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 footwear's.
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 footwear's.

MOSQUITO REPELLENT FINISH

Repello-MSQ	a	<ul style="list-style-type: none"> ▪ It is a durable micro dispersed product based on Permethrin, to repel 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 dyeing 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"> - Ballooning 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 treated fabric shows UPF rating up to 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, apparels 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.
Stiffnol-HT	a	<ul style="list-style-type: none"> ▪ Stiffnol-HT is High Temperature Stable Stiffner is a finishing agent in liquid form which imparts bulkiness or body to textile substrate. ▪ It will not loose its stiffness at high temperature and also will recover its stiffness on bringing down the temperature. ▪ This finish can be applied for nonwovens which are used at high temperature for filtration.
Sarastiff-GK	n	<ul style="list-style-type: none"> ▪ Sarastiff-GK is specially developed finishing product to impart stiff finish to nonwovens 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.
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HYDROPHILIC AGENTS

Wetfin-NS	n	<ul style="list-style-type: none"> ▪ Is an 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.
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CHLORINE 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 swimwear's and any textile material which come in contact with chlorine water.
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DUST RELEASE FINISH

Dustfree-CPP	c	<ul style="list-style-type: none"> ▪ Dustfree-CPP is specially developed finishing agent for cotton, polyester, polyester blends, nylon etc., to impart anti-dust, anti-pollen properties to the treated fabrics. ▪ It minimises pollen and dry dust deposition in the fabric interstices and allows easy removal of dust from the fabric by just tapping the fabric. ▪ This finish can be applied on Home furnishing, Work wear, outdoor fabric like umbrella, canopies etc.
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**Ionic Nature: a- anionic, c- cationic, n- non ionic, wa- weakly anionic, wc- weakly cationic*



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