

product catalogue

November 2019 - Rev. 00





ALL IN ONE

MULTI-ACTION COMPOUNDS FOR SINGLE BATH TREATMENTS

1



DESIZING

ALPHA-AMYLASE BASED PRODUCTS FOR DESIZING IN A WIDE RANGE OF TEMPERATURES AND CONDITIONS

2



STONE WASHING

CELLULASE-BASED ENZYMES FOR STONE WASH TREATMENTS AT DIFFERENT TEMPERATURES AND pH CONDITIONS

3



BIOPOLISHING

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4



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SPECIAL WASHING AGENTS EFFECTIVE IN A WIDE RANGE OF CONDITIONS AND TEMPERATURES

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all in one



faip tiu

125-1000 kg

Multi-action product for garment dyeing.

geopower ds

25 kg bags

Powder compound containing neutral enzymes, for an outstanding single bath desizing and stone-wash treatment with zero-backstaining. Optimum working conditions: 40-50°C, pH 6-7,5.

geopower ds/s

25 kg bags

Powder compound containing neutral enzymes, for an outstanding single bath desizing and stone-wash treatment with zero-backstaining. Optimum working conditions: 40-50°C, pH 6-7,5.

ZDHC
LEVEL 1

geopower nps

125-1000 kg

Liquid compound to perform single bath desizing and stone-wash treatments on denim garments at cold temperature, without the intervention of pumice stone. Optimum working conditions: 25-40°C, pH 6-7,5.

nimbus

*smart
foam*

*stretch
care*

ZDHC
LEVEL 1

geopower pfd-extra

120 kg

Liquid enzymatic compound suitable for single bath pre-treatment of both woven and knitted fabrics.

ZDHC
LEVEL 1

desizing



dw 16 lt

120 kg

Alpha-amylase for enzymatic desizing at room temperature (20-30°C).

ZDHC
LEVEL 1

dw 28

120-1000 kg

High-concentrated alpha-amylase for enzymatic desizing at low and medium temperatures (40-60°C).



atb 710

125-1000 kg

Innovative liquid neutral enzyme working at room temperature, developed to highlight contrasts and scraped areas. Optimum working conditions: 25-30°C, pH 6-7,5.

nimbus

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foam*

**ZDHC
LEVEL 1**

atb 96 I

125-1000 kg

Liquid neutral enzyme, developed to highlight contrasts and scraped areas. Optimum working conditions: 40-55°C and pH 6-7,5.

**ZDHC
LEVEL 1**

atb nlt

25 kg bags

Enzymatic self-buffering compound for stone-wash on denim garments which performs at low temperature and neutral pH, maintaining a very low back-staining. Optimum use conditions: 40-50°C and pH 6-7,5.

atb nlt extra

25 kg bags

Enzymatic self-buffering compound for stone-wash on denim garments which performs at low temperature and neutral pH, maintaining a very low back-staining. Optimum use conditions: 40-50°C and pH 6-7,5.

atb nlt/s

25 kg bags

Enzymatic self-buffering compound for stone-wash on denim garments which performs at low temperature and neutral pH, maintaining a very low back-staining. Optimum use conditions: 40-50°C and pH 6-7,5.

**ZDHC
LEVEL 1**



hidros 7

125 kg

High concentration enzyme for biopolishing of cotton and blends. Optimum use conditions: 50-60°C, pH 4,5-5,5.

ZDHC
LEVEL 1

hidros rtl

125-1000 kg

Innovative liquide cellulase for biopolishing of cotton and blends operating at room temperature and neutral pH. It can be used on denim with no backstaining and on dyed garments with no changing of shades. Optimum use conditions: 25-30°C pH 6-7,5.

nimbus

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foam*

ZDHC
LEVEL 1

hidros ted

125-1000 kg

Liquide cellulase for biopolishing of cotton and blends operating at low temperature and neutral pH. It can be used on denim with no backstaining and on dyed garments with no changing of shades. Optimum use conditions: 40-50°C, pH 6-7,5.

ZDHC
LEVEL 1



fortres dsw

120 kg

Wetting, deterging and emulsifying non-foaming agent suitable for alkaline scouring/bleaching and for dyeing/washing-off of cotton garments.

ZDHC
LEVEL 1

fortres flex

125-1000 kg

Outstanding dispersing agent containing a selection of innovative ingredients that make it effective to protect the elastane fiber. It works even at low temperature, preventing the backstaining during all washing steps.

*stretch
care*

ZDHC
LEVEL 1

fortres gdp

125-1000 kg

Outstanding dispersing agent to avoid backstaining during all washing steps of denim and non denim.

nimbus

*smart
foam*

ZDHC
LEVEL 1

fortres gdp super conc

125 kg

Concentrated base for the preparation of high-performing dispersing agents, to avoid backstaining during all washing steps of denim and non denim.

ZDHC
LEVEL 1

fortres gsl

125-1000 kg

High-performing dispersing agent to avoid backstaining during all washing steps of denim and non denim.

nimbus

fortres gsl base

125 kg

Concentrated base for the preparation of high-performing dispersing agents, to avoid backstaining during all washing steps of denim and non denim.

fortres lgs

125-1000 kg

Dispersing agent to avoid backstaining during all washing steps of denim and non denim.

ZDHC
LEVEL 1



avol evanix

125-1000 kg

Compound for the realization of washing effects with light shades and vintage looks on denim garments.

nimbus

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foam*

*stretch
care*

*white
&green*

**ZDHC
LEVEL 1**

avol fade

25 kg bags

Enzymatic compound for the ecological bleaching of denim. At low dosages it removes the backstaining resulting from previous stone-washing treatments, highlighting the contrasts on abraded areas.

*stretch
care*

*white
&green*

**ZDHC
LEVEL 1**

avol oxy white

120 kg

Halogen and heavy metal free alternative to potassium permanganate, developed for local applications on denim garments.

nimbus

*smart
foam*

*stretch
care*

*white
&green*

**ZDHC
LEVEL 1**

rebird eco-c

40 kg

Laccase based powder formulation for enzymatic discoloration of denim at room temperature. Optimum working conditions: 20-40°C, pH 6-7.

rebird ox

25 kg

Laccase based powder formulation for enzymatic discoloration of denim. Optimum working conditions: 60-70°C, pH 4,5-5,5.



special white

25 kg bags

Special powder detergent used for washing/bleaching of denim garments. It confers a natural used look. It contains a mixture of optical brighteners to modify denim cast.

special white lt

25 kg bags

Special powder detergent used for washing/bleaching of denim garments. It confers a natural used look. Free from optical brighteners. Active at 40-50°C.

stretch
care

white
&green

ZDHC
LEVEL 1

special white rt

25 kg bags

Special powder detergent used for washing/bleaching of denim garments. It confers a natural used look. Free from optical brighteners. Active at room temperature.

special white so

25 kg bags

Special powder detergent used for washing/bleaching of denim garments. It confers a natural used look. Free from optical brighteners.

treco matic

25 kg bags

Powder detergent for re-washing and bleaching of garments in cotton and blended fibres. It contains optical brighteners.



legaflex one

125-1000 kg

Low curing temperature glyoxalic resin, lower damage with zero formaldehyde, improved 3D durability.

nimbus

legaflex vlf

125-1000 kg

Glyoxalic resin with extremely low formaldehyde. Improved scrapeability and excellent indigo fixation.

nimbus

legaflex zero

125-1150 kg

Low curing temperature glyoxalic resin, lower damage with zero formaldehyde. Fully bleachable.

nimbus

*smart
foam*

**ZDHC
LEVEL 1**



demix 423

125 kg

Plasticized polyvinyl acetate. Imparts permanent full and plastic touch.

demix be 20

125-1000 kg

Plasticized polyvinyl alcohol. Imparts full and plastic touch.

smart
foam

ZDHC
LEVEL 1

demix nd 50

100-1000 kg

Resin with neutral cast to increase denim garments scrapeability.

smart
foam

ZDHC
LEVEL 1

legafinish dsl

130-1050 kg

Glyoxalic and formaldehyde-free formulation for permanent 3D effects with very soft touch. It is overdyable.

legafinish fast

125-1050 kg

Patented polymer for durable 3D with zero formaldehyde, zero damage and low curing temperature.

ZDHC
LEVEL 1

legafinish mar

125 kg

Acrylic polymer (full touch, medium plasticity). Self-cross-linking. Used together with glyoxalic resins for 3D effects.

legafinish mir

120 kg

Resin for self cross-linking finishes with dry, stiff and shiny touch. Easy scrapeability.



copy binder

5-60 kg

Glue for metal foils.

legafinish b2

120 kg

Self-crosslinking polyurethane with soft plastic rubber-like touch for spray application.

legafinish lsp

125 kg

Ready-to-use compound for shiny effects without press.

smart
foam

legafinish mirror

120 kg

Compound for non-transparent self polishing glossy look without the use of press.

legafinish mt

120 kg

NMP-free polyurethane for shiny effects.

legafinish spc

120 kg

Compound for colored coating on garments.

legafinish un

120 kg

Cross-linking polyurethane with soft and dry touch.



avol act

120-1000 kg

Catalyst to improve hypochlorite action. It allows treatment times and chlorine dosages to be reduced, thus preserving elasticity on stretch denim.

smart
foam

ZDHC
LEVEL 1

booster ow

5-35 kg

Specific additive for *avol oxy white* and *avol evanix* application, it ensures to obtain a better whiteness and bluer hues.

nimbus

smart
foam

stretch
care

white
&green

ZDHC
LEVEL 1

catal It

25 kg

Low temperature (90-100°C) catalyst for polymer-based resins.



fst 19

125-1000 kg

Fixing agent for indigo. It keeps denim darker during domestic laundering.

fst ind

120-1000 kg

Outstanding fixing agent for indigo. It keeps denim darker during domestic laundering.

fst rw new

120-1000 kg

Improved version of *fst rw* with: better stability over time, higher combinability with other resins and superior quality price/ratio.

nimbus

*smart
foam*

**ZDHC
LEVEL 1**



elam 109

120-1000 kg

Finishing agent able to prevent yellowing and grant adequate protection against ozone fading. For high quality and amine-free finishes.

ZDHC
LEVEL 1

elam 200 new

120 kg

Fatty acids amino-derivatives free liquid softener with excellent full and soft touch. Suitable for any kind of fiber.

elam 256

125-1000 kg

Silicone polymer in aqueous solution. For any kind of fiber, conferring a slippery, soft and not fatty hand-feel.

nimbus

elam bm

120-1000 kg

Silicone macro-emulsion for outstanding bulk, smooth and soft hand-feel.

ZDHC
LEVEL 1

elam cb gs

25 kg bags

Fatty acids amino-derivatives free base in flake form for the preparation of cationic anti-static softeners.

ZDHC
LEVEL 1

elam eqb base

130 kg

AEEA derivatives free base in form of fluid paste for the preparation of cationic anti-static softeners. Easily dilutable at any ratio in cold water. Very soft touch.

nimbus

elam grm conc

25 kg bags

Fatty acids amino-derivatives free base in flake form for the preparation of cationic anti-static softeners.

elam rp

120-900 kg

High affinity micro-silicone elastomer; it confers very soft touch and elasticity.

nimbus

ZDHC
LEVEL 1

elam rp conc

145-940 kg

High concentration micro-silicone elastomer; it confers very soft touch and elasticity.

elam sense

125-1000 kg

Softener for high quality finishes on super and hyper stretch fabrics. Its composition makes it compliant with regulations and brands' RSLs. Completely free from any AEEA derivatives.

stretch
care

ZDHC
LEVEL 1

linex pe conc

120 kg

High concentration synthetic resin for special finishing. Non stiff, non rubbery, full and draping hand.

product ppu new

100 kg

Mixture of selected synthetic oils, applied by spray for finishes with very soft and slippery hand-feel.



avol lime

25 kg bags

Ecologically advanced neutralizing agent in concentrated powder form. To be used after garments bleaching treatments for the elimination of oxidizing agents, such as chlorine derivatives or potassium permanganate.

white
&green

ZDHC
LEVEL 1

demix spw

20-60 kg

Inorganic inert powder used in combination with products of various nature for the achievement of special effects.

ZDHC
LEVEL 1

easyfoam

125-1000 kg

Special foaming agent specifically designed to enable *smart foam* treatments with Garmon products.

smart
foam

ZDHC
LEVEL 1

easyfoam pro

125-1000 kg

Very strong foaming agent used to perform advanced *smart foam* treatments with Garmon products.

smart
foam

fortres tap

125-1000 kg

Agent with buffering properties for pH correction.

smart
foam

ZDHC
LEVEL 1

fst fkp

120 kg

Compound based on reactive resins employed as blocking agent for fake patching effects.

smart
foam

linex add-bleach

20 kg

Thickening agent for surface application of oxidants and finishing agents.

linex add/cl

25 kg

Thickening agent for local application of chlorine.

vz 6006

40 kg

Thickening agent for surface application of oxidants and finishing agents.



avol 100

110-1000 kg

Lubricant/crack mark inhibitor used to reduce worn and pilling effect during garment dyeing.

fst 34

125 kg

Fixing agent with excellent improvement of washing fastness on *ovd dyes*.

smart
foam

fst hw

125 kg

Fixing agent with excellent improvement of washing fastness on *hi-white dyes*.

fst ind new

125-1050 kg

Cationising agent that ensures the surface deposition of color during dyeing processes with direct dyes. Key product to achieve the best *old vintage dyeing* effect with *ovd dyes*.

ZDHC
LEVEL 1

fst tx conc

125 kg

High yield formaldehyde-free fixing agent for direct dyes.

kennox cb

125-1000 kg

Corrosion inhibitor for aqueous systems. Suitable for treatment of garments with buttons and metal accessories. It is not compatible with hypochlorite bleaching.

linex ab28

120 kg

Compound based on reactive resins employed for the optaining of reserve effects in dyeing.

linex ab28/s

120 kg

Compound based on reactive resins employed for the optaining of reserve effects in dyeing.

ZDHC
LEVEL 1

linex bfc

125-1000 kg

Low curing temperature compound based on reactive resins, employed for the optaining of reserve effects in dyeing.

nimbus

linex ct new

120-1000 kg

Cationizing agent for pigment dyeing and “mold” effect.

ZDHC
LEVEL 1

linex fx new

125-1000 kg

Fixing agent for pigment dyeing and “mold” effect.

ZDHC
LEVEL 1

linex hw

125-1000 kg

Pre-cationising agent for *hi-white dyes*.

linex pd

125-1000 kg

Cationizing agent for pigment dyeing at cold temperature. Pigment dosage reduced by 70-75%.

linex sup

125-1000 kg

Polymer combination for surface dyeing effects with pigments.

linex surf

120-1000 kg

Polymer combination for surface dyeing effects. Used as cationising agent for the *optima cpd* process, it is also one of the main components of the *surf dyeing* process.

smart
foam

ZDHC
LEVEL 1



brushes for chlorine

Paint brush high resistant to chemicals.

brushing machine

Pneumatic rotor.

brushing tool

Brush for brushing machine.

metal foil

122-500-1000 m

Transfer foil for metallic effects, to be used with *copy binder*.

quality rags 25 pcs

25 pcs

Rags for local/random application.

super strong quality rags

600 pcs

High-resistance rags 35x30 cm for local or transfer applications.

rubber balls

20 kg

Special polyurethane balls to be used in tumbler to confer very draping touch to garments. Particularly suitable to treat resinated goods. 1 kg corresponds to *22-23 rubber balls*.

KEMIN TEXTILES s.r.l.

Strada Acquasalata, 7 D/E

47899 Serravalle - Repubblica di San Marino

T +378 0549 919611 - garmon.sm@kemin.com

garmonchemicals.com