

# *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

CELLULASE-BASED PRODUCTS FOR ENZYMATIC BIOPOLISHING AT DIFFERENT TEMPERATURES AND pH CONDITIONS

4



### DISPERSING AND WETTING

ECOLOGICALLY ADVANCED AGENTS WITH WETTING, EMULSIFYING, CLEANSING POWER AND ANTI-BACKSTAINING PROPERTIES

5



### BLEACHING

DECOLORING AGENTS FOR LOCAL OR TOTAL APPLICATIONS

7



### SPECIAL WASHING

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

8



### RESINS

REACTIVE RESINS WITH DIFFERENT CASTS AND CURING TEMPERATURES, INCLUDING ZERO FORMALDEHYDE GLYOXALIC RESINS

9



### SYNTHETIC POLYMERS

SYNTHETIC POLYMERS, INCLUDING ZERO FORMALDEHYDE ACRYLIC PATENTED POLYMERS

10



### COATING

POLYMERS AND COMPOUNDS FOR COATING EFFECTS

12



### CATALYSTS AND CROSSLINKERS

LOW TEMPERATURE CATALYSTS AND SPECIAL CHEMICALS TO BOOST PRODUCT ACTIVITY

13



### DENIM FIXING

FIXING AGENTS FOR INDIGO AND DENIM FABRICS

14



### SOFTENING

SPECIAL AGENTS AND SOFTENERS FOR A WIDE RANGE OF FINISHES

15



### SPECIALTY SOLUTION

WHEN THE DIFFERENCE IS IN THE PRODUCT

18



### DYEING AUXILIARIES

PRODUCTS AND AUXILIARIES FOR DYEING PROCESSES

20



### TOOLS AND ACCESSORIES

23

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*

*smart  
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*

*smart  
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

smart  
foamstretch  
carewhite  
&greenZDHC  
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  
carewhite  
&greenZDHC  
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  
foamstretch  
carewhite  
&greenZDHC  
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

AEAA 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 AEAA 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](mailto:garmon.sm@kemin.com)

---

**[garmonchemicals.com](http://garmonchemicals.com)**