

Creativity  
is a challenge  
Chemistry  
is a solution

INNOVATIVE TECHNOLOGIES



 **FFICINA<sup>39</sup>**  
CHEMISTRY PLUS CREATIVITY





# Denim

## Deterpal TIM series

DETERPAL TIM is a powerful dispersing and antibackstaining agent for denim.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified

## Base Deterpal EP-Q series New (Surface Active Preparation)

It is an universal dispersing antibackstaining agent. Specially recommended for jeans and denim article treatment, giving more bright results. Thanks its special formulation, it can help to preserve fabrics containing elastane.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

## Novastone Neutral & BX series

Concentrated neutral cellulase for denim treatment, partially or totally substituting pumice stone. It contains a strong buffer system.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

## Novastone NEBU & NCL/E

Low water effective concentrated enzyme for cellulose biopolishing at neutral pH and cold temperature with excellent results.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified

Suitable for Nebulized system machineries

## Novastone Multi & Combi

Enzymatic powerful compound for desizing and abrasion of denim garments in only one-phase with excellent contrast. Suitable to work also as neutral enzyme at cold temperature.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - Registered in EIM software

## Deterpal F33 – Optichem F33/CO

Dispersing agent for increasing the contrast after Stone Wash treatment of jeans. It improves the blue/white contrast, appearance and cleaning of the jeans. Also Optichem F33/CO Powder product version containing OBA is available.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

## Novalac XC PLUS

Enzymatic laccase formulated specifically for discolouring jeans at low temperature, as a substitute for Hypochlorite. High contrast and bleaching effect. Ecological discolouring of jeans.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified

## Active SUL-B

It is specially designed to improve Black Sulphur bleaching, mainly in polyurethane/spandex fabrics. It activates Hydrogen Peroxide in a bleaching bath to provide the maximum bleaching efficiency at lower temperature.

GOTS certified - ZDHC certified

## Remover BC

Laser activator. Special compound to increase laser effect.

GOTS certified - ZDHC certified

## Remover IND/J Remover I-TOW

**(Chemical Preparation-Oxidizing Agent for Decolourization)**

It is a compound, Permanganate free, suitable to obtain discharging effect on denim (Indigo and black). No need any tumbler dryer or temperature to be activated.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

## Catalyst IND-J

Catalyst for Remover IND/J Series

## Smart Bleach

It is an innovative bleaching system at cold temperature, for sustainable bleaching in nebulized closed machineries.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

Suitable for Nebulized system machineries

## Reducer KM ECO

It is a new neutralizing compound auxiliary to be used as post-treatment in Indigo or Sulphur corrosion/discharge processes. It is less hazardous neutralizer compared usual in the market, as it contains biodegradable substances in the formulation. It can be used to neutralize Remover IND/J-N and Smart Bleach.

## Reducer MG

Reducer MG & Reducer NOS are a powered Sodium Hypochlorite and Permanganate neutralizer compound auxiliary. It is used for denim and garments treatment. Very bright and whitish results compared common neutralizing agents. Avoiding yellowish and odors free.

Assessed by GREENSCREEN® Safer Chemicals Profiler - EIM



## Novapret NFC/LT

It is an innovative Formaldehyde free reactive resin, self-catalyzed, that cures at low temperature. It is suitable for "wash&wear" finishings and for permanent 3D creases on garments and denim. Bleachable resin with Chlorine up to light shades.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM  
Suitable for Nebulized system machineries

## Novapret 3DF

It is a compound developed to improve scrapability on garments and denim.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM  
Suitable for Nebulized system machineries

## ZF 3D System

ZF Creases System is an innovative resination process Formaldehyde free for 3D permanent effect creases on denim and fashion garments. Thanks to its innovative components DMDHEU (Glyoxal) free, ZF Creases System ensures total resistance of fabrics and 3D permanency.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM  
Suitable for Nebulized system machineries

## Dispersolo AGED

Dispersolo AGED is a unique product to obtain natural "aged effect" on garment. It is an agent able to change the shade of cellulosic fibres, obtaining a special yellowish-brownish shade effect. Suitable to obtain "rusty effect".

GOTS certified - ZDHC certified  
Suitable for Nebulized system machineries

## Dirty Colors

Dirty Color is a process that allows to modify the shades of cotton fibres, mainly of denim garments. It preserves better bluish shades of Indigo than conventional dyeing "dirty" processes.

# Colors

## Novapret S-PF

Novapret S-PF is a new self-cross linking compound. Very soft handle and curing at room temperature. Oven is not necessary. Formaldehyde free.

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## Chalk Look

Cold Pigment Dyeing with Novapret S-PF or NPF. In "Chalk look" effect on garments, sewing remains white or raw, like a straight line. Polymerization is not required.

## Nebudye

Dyestuffs to obtain special vintage dyeing effect on machineries using nebulized fog systems. It works with ratio 1:1.

Suitable for Nebulized system machineries

## Novawash

Novawash series represents special dischargeable dyeing system to obtain colored "denim look". A combination of selected dyestuffs, with a special mordanting agent, permits to obtain a very superficial effect with very contrasted dyeing. Post-treatments with pumice stone, Potassium Permanganate, acid wash, Novatex Moon, Novapret KOR/Mn, Remover series are possible.

## Novantic

Novantic series are a combination of selected dyestuffs with a special mordanting agent suitable to obtain superficial dyeing to offer a "vintage" effect. It is able to obtain a complete exhaustion to ensure a good reproducibility batch to batch. Vintage look is very similar to pigment dyeing. Light Fastness is 4 – 5. No dirty machinery and stripping is possible.

## Novakor

A complete dischargeable dyestuffs range. Also to be used in combination with Novapret P-MS for dischargeable CPD effect.

## Novapret P-MS

Cationizing agent for dyeing with conventional dyestuffs or Novakor series.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified

## Novofinish PDA

Compound "all-in-one" to obtain vintage bicolored garments in one phase. It can be used in machineries using atomization/nano bubbles systems.

Suitable for Nebulized system machineries

## Compound SR

Compound to obtain special effect with reactive dyes on machineries using atomization/nano bubbles systems. It can be used also for spray applications.

Suitable for Nebulized system machineries

# Specialties

## Ind Plus series

Ind Plus is a "ready to use" product containing real Indigo dyestuffs. It can be used on PFD garment to obtain genuine Indigo look. Bleaching, discharge with Permanganate and enzyme wash are possible post-treatments.

GOTS certified - ZDHC certified

## Novofix WRI-S

It is a special fixing agent to increase rubbing fastness for all kinds of cotton fabrics. It is suitable to improve rubbing fastness especially on dark shades dyed with Indigo, Sulphur, Reactive and Pigment. Also it can be applied to improve rubbing fastness on printed fabrics. It can increase 1 to 2 points the wet rubbing fastness.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM  
Suitable for Nebulized system machineries

## Additive WRI

It is a pre-treatment to improve Novofix WRI-S final result.

## Protex ZIP/LF NEW

Protex ZIP/LF is a inhibitor of metal corrosion. It avoids stains caused by zips, press studs and buttons, in dyeing or washing of garments.

GOTS certified - ZDHC certified

## Novatex Moon

Novatex Moon is a powered product used to achieve unique acid wash finishing. It is used for garment and denim "worn" decolorizing finishing in powder form. It is a short process and it works in a dry system at cold temperature, saving water and energy.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified

## Base Novatex IN

Neutral base (no oxidant) of Novatex Moon. Used together with Novatex Moon to reduce decolorizing effect and to improve regularity of the effect on fabric.

## Novapret KOR/Mn

Novapret KOR/Mn is a powered product in Gel form that removes dischargeable colours or Indigo in easy way. It is used for garment and denim special decolorizing finishing. It works in a cold temperature system, saving water and energy.

## Intense CEL BLOCK

Indigo blocker compound, it is excellent to be used on denim garments. It gives soft hand feel.

ZDHC certified

## Novaframer EXTRA

Novaframer EXTRA is a timing stable foaming agent for random bleaching effect with Chlorine.

## Novapret Sand series

Compound ready to use to obtain special dirty effects on garments. It works in a dry system, saving water and energy.

## Novapret Glass series

Compound "all-in-one" to obtain colored leather effect without press, by polish only. No need catalyst.

GOTS certified - ZDHC certified

## Novapret PD LUC-NEW

Transparent product, based on self-reactive polyurethan resins, to obtain brilliant leather-like effects, without calendaring/press machine or polishing. Possible to add any pigment for shining coloured look.

GOTS certified - ZDHC certified

## Compound Laser Liq.

Compound ready to use specially formulated to obtain colored effects with laser.

## Novocryl S/TP NEW & Novocryl S-TP FF

It is a thermo-adhesive compound suitable for patch! Due its composition water-based, Novocryl S/TP gives soft and elastic hand feel.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

## Printlake Metal

Printlake Metal is a range of products ready to use to obtain metal effect by printing, coating or spray application. Metal colours range includes neutral Pearl (to be coloured with any pigment), Silver, Gold and Copper. Great soft handfeel and very high rubbing fastness.

## Novapret TALC

It is a special compound to obtain special MUD or Talc effects on garments.

## Novowhite FW

Compound to obtain white effect. Very soft touch.

## Novapret OIL

Ready to use preparation based on resins to obtain "oil" effects on fashion garments and denim. Typical dirty effects of the "mechanical workshop", with oily handfeel.

# Auxiliaries & others

### DETERGENTS / SOAPING AGENTS

#### Deterpal AJ-T & Deterpal DW/LF

Non ionic, low foaming detergent/wetting agent for removing oil from cotton, PES/CO, PES, PA, etc.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - EIM

#### Deterpal LFM

Low foaming detergent/wetting agent with ecological non-volatile solvents for degreasing synthetic and cellulosic fibres.

#### Deterpal S-PO

Derivated vegetables detergent and emulsifier agent for textile industry.

#### Perox 3HC

Auxiliary for cellulosic fibres bleaching in H<sub>2</sub>O<sub>2</sub> baths, with good wetting, detergent, stabilizer and low foam formation.

#### Oxitase 200-J

Catalase for eliminating the remains of Peroxide after bleaching.

#### Detersolv CA/85

Soaping auxiliary with dispersing proprieties for later treatment of dyeing and printing. Saving water consumption and time process.

#### Deterlene C-PG

Specific detergent for cleaning dyestuff stains. Adequate to clean dyeing machine after pigment dyeing.

#### Detersolv S-797 NEW

Special detergent to clean dyeing machinery.

#### Sequestrante 540

Iron and Calcium dispersing and sequestering agent, specially in alkaline medium.

### DISPERSING, LEVELLING & LUBRICANTS

#### Dispersolo O LIQ.

Non ionic, dispersing agent for general use.

#### Novopol SE 580

Non ionic, concentrated dispersing agent in powder form. It is also a good anti-backstaining on denim.

#### Novopol SE 550 powder

Surface active preparation and antibackstaining agent

#### Dispersolo AS 40

Levelling auxilliary for cotton, polyamide and wool dyeing with difficult levelling.

#### Dispersolo PA/90

Levelling and migrating agent.

#### Novolube FS

Anti-wrinkle/dispersing agent based on emulsified lecithin. Stripping and dispersing agent in polyester, triacetate and polyamide dyeing. Not foaming.

#### Novolube PAN

Non foaming anti-creasing agent for preparation, dyeing, finishing processes for all fibres.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

### ANTIFOAM & WETTING

#### Antifoam PTH

Reactive silicone antifoaming agent for general use without the normal

problems suffered with conventional silicone antifoaming agents. It is very stable and easily dispersible. Very efficient even at high temperatures.

GOTS certified

#### Deterwet M A.C.

Excellent no-silicone wetting and antifoaming agent for preparation processes by exhaustion, Pad Batch or Pad Steam. Appropriate for water repellent finishing.

GOTS certified

### FIXING AGENTS

#### Novofix FF & Novofix SF

Formaldehyde free fixing agent for Direct, Reactive and Sulphur dyestuffs.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

#### Novofix F383 & Novofix DIE

Indigo fixing agent for cellulosic fibres. It is also possible to use as a fixing agent of direct dyestuffs.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - EIM

#### Novofix FP NEW

Auxiliary for pigments fixation during dyeing processes. Indigo fixing agent for cellulosic fibres. It decreases abrasion effect during "Stone Washing". It is Formaldehyde free.

### ENZYMES

#### Novalase LT 40

Alpha Amylase derivative enzyme for removing starch based sizers and it blends.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

#### Novastone Ncl series

New enzyme for denim abrasion at low temperature.

It is also used as antipilling.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

#### Novastone L CONC.

Acid Cellulase enzyme for antipilling treatment (biopolishing) on cellulosic fibres mainly cottons.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

#### Prowash LH

Neutral or slightly alkaline Protease enzyme for preparation and finishing of wool and natural silk fabrics.

### ACTIVATORS & CATALYST

#### Catalyst PER

Catalyst PER is a powerful Potassium Permanganate activator to be used on denim Indigo or dischargeable dyestuffs. It reduces Potassium Permanganate dosage more than 50%.

GOTS certified - EIM

#### Catalyst CL NEW

Catalyst CL NEW is a special product able to activate reaction of Chlorine in Indigo bleaching with Sodium Hypochlorite. Less aggressive bleaching reducing considerably dosages of Hypochlorite: it is suitable for fabric containing polyurethane/spandex.

ZDHC certified

#### Catalyst S-200

Resin cross-linking promoter. Suitable to be applied in conjunction a resins system for permanent creases effect on denim.

#### Catalyst IP

Resin cross-linking promoter. It is suitable for reducing temperature in the pigment applications and to improving fastness. It can be used also into CPD System (Cold Pigment Dyeing) and water repellency compound.

### RESINS & SPECIALTIES

#### Novocryl DMS series

It is based on acrylic polymers to apply in finishing and printing, woven and non woven fabric. It can be also applied in conjunction a reactive or glyoxalic resins for permanent creases effect. Good fastness to domestic washing.

#### Novocryl S-TGD

Dispersion of acrylic polymer in aqueous emulsion, recommend for textile finishing processes. Dry and stiff touch, with shiny look.

#### Novaperle FCF

100% Fluorocarbon derivate free agent that offers a water repelling effect on cotton and its blends.

ZDHC certified - Suitable for Nebulized system machineries

## Novaperle 606 & Novaperle F62 CONC.

C6 microencapsulated fluorocarbon emulsion that offers a water and oil repelling effect on all kinds of fibres.

ZDHC certified

Suitable for Nebulized system machineries

## Novapret W013

Polyurethane resin for the textile industry, exempt from free Isocyanate.

## Novaclear S-35

Synthetic thickener for pigmentary printing.

## Novaclear CL

Thickener for modifying the rheology of corrosion pastes with Sodium Hypochlorite. It can be also used as thickener for Caustic Soda solution.

## Novapret AP-V & Novapret AP-V PLUS

Chemical Preparation, Finishing agent. Special compound to get stiff handle effect on garments and fabrics.

## Intense CEL PLUS

This is a finishing product for cellulosic fibres and blends that increases the shade intensity.

GOTS certified

## Antistram CAT

Special agent to increase traction resistance. It can work also as elastane fibre protector.

## Protex EL-AN

Finishing agent to increase traction resistance. It can work also as elastane fibre protector.

### SOFTENERS

## Base WHI/Z

Universal softener especially recommended to treat bleached articles.

## Base OT CONC

Highly concentrated softener for natural and synthetic fibres.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

## Microfinish BP

Silicone microemulsion based softener appropriate for exhaustion and continuous processes. Appropriate on all types of fabric. It improves elasticity and handle.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM  
Suitable for Nebulized system machineries

## Microfinish HY/B

Lubricant preparation/softener/non ionic softener based on silicone microemulsion, applicable in continuous and exhaustion processes with a low level of yellowing. It maintains fabric hydrophilicity offering a cool, fall and comfortable handle.

Assessed by GREENSCREEN® Safer Chemicals Profiler

## Microfinish STCH

Resin and amino-functional silicone emulsion compound to use on cellulosic and synthetic fibres improving elasticity. It imparts extraordinary elasticity, improving stretch properties.

## Macrofinish MAW

Concentrated macro-emulsion of aminofunctional silicone for exhaustion and continuous processes.

## Noamin LST series

Aminofunctional silicone macroemulsion to use on cellulosic and synthetic fibres in pad-stenter.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

## Noamin AZ NEW

Cationic softener/anti-static agent for finishing of jeans with a protective effect on the Indigo agents such as Ozone.

GOTS certified - Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified - EIM

Suitable for Nebulized system machineries

## Noamin PE NEW

Softener/lubricant based on non ionic polyethylene emulsion.

GOTS certified - ZDHC certified

### CATIONIZING AGENTS, DYESTUFFS & PIGMENTS

## Novoprint range

Pigments series for dyeing and printing.

## Novamet

Novamet is a special selection of coloured pigments to obtain unique "sand effect". This is a very superficial effect, with very natural touch. After abrasion garment appears naturally aged.

## NoWater Gel Dyeing

Colours in eco-way. NoWater Dyeing is a new dyeing process in gel form. Ecological process: no residues in the water treatment plant.

## Mordant OLD CONC

Concentrated mordant agent on cellulosic fibres, for carrying out superficial dyeing with soluble Novawash dyestuffs. It is possible to use also with Novantic dyeing process.

## Mordant OLD WASH & Mordant WASH B

Mordanting agent for cellulosic fibres to obtain superficial dyeing effect with Direct, Reactive, Sulphur and Vat dyestuffs.

Assessed by GREENSCREEN® Safer Chemicals Profiler - ZDHC certified

## Mordant PM

Mordant agent for pigment dyeing in one bath.

## Mordant OLD CT/AK V4.8

Mordant and cationizing agent for pigment dyeing.

## Nebuwet/V P & Nebuwet/V P SPRAY

Special pre-treatment for Nebudye process.

### PRINTING SPECIALTIES

## Printlake S-PAF

Elastic, colourable and covering lacquer "ready to use" (water based) for printing on garments. Cure at room temperature. PVC, Phthalates, APEO and Formaldehyde free. White also available.

## Printlake S-T EXTRA

White covering lake. Extremely soft handle and high film elasticity.

Printlake S-110

Reserving printing with Reactive, Acid and Disperse dyestuff. Soft hand and elastic film.

## Printlake S-PF

Compound ready to use for tridimensional "Puff" elastic effect with pigments.

## Printlake S-PEACH

Special compound to obtain coloured Peach skin effect. Also spray application is possible.

## Novoprint Devorè

Product to add on printing paste based on guar in order to obtain devorè effect on polyester-cotton, polyester-viscose, silk-cotton items.



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CHEMISTRY PLUS CREATIVITY

**We trust** in innovation.  
**We trust** in sustainable practices. We do.  
**We trust** in clean information.  
**And we trust** in social responsibility.



**We trust** that sustainable is possible.  
And it is possible to imagine a new word for it.  
**We trust in a new wor(l)d.**

WE ARE **TRUSTAINABLE**

### TRUSTAINABLE RANGE FOR NEBULIZED SYSTEM

OFFICINA+39 developed a specific range of products suitable to be applied in all Nebulized system machineries. Using this type of machinery enables several finishing effects on denim, saving huge amount of water, products and energy. Creating a fog inside the machinery by the atomization of small amount of water and products, we can apply our TRUSTAINABLE range products in very homogeneous way. Working with Liquor Ratio 1:1 only.



**The dyes for a sustainable future; the colored powder dyestuffs made with 100% recycled textile materials.**

RECYCROM™ is a revolutionary sustainable dyestuffs range, patented, using recycled used clothing, fibrous material and textile scraps. By a sophisticated process, Officina39 has developed a system to reprocess the scraps and transform textile fiber into colored powder. RECYCROM™ is available in many colors using 100% of recycled textile materials fashionable dyeing, printing and coloring.

Reduce, reuse, recycle: this is our green mission.

**The green revolution in dyestuffs has begun.**

