

Garment News 2014



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PERIZYM 58 dc

High-concentrated neutral cellulase



PERIZYM 58 d.c.



Chemistry: Special enzyme proteins

Consistence: Amber liquid

Properties: - double concentrated version of PERIZYM 58

- highly efficient neutral cellulase

- removal of fibre fluffs

less loss of weight and strength compared to acid cellulases

working range between pH 5 and 8

 less backstaining compared to acid cellulases on blue denim articles

 on coloured fabric, there is less bleeding and therefore less colour changing

PERIZYM 58 d.c.



Usage amount: 0.25 - 1.5 g/l

LR: 1: 4 – 1:10

Temperature: 45 – 55 °C

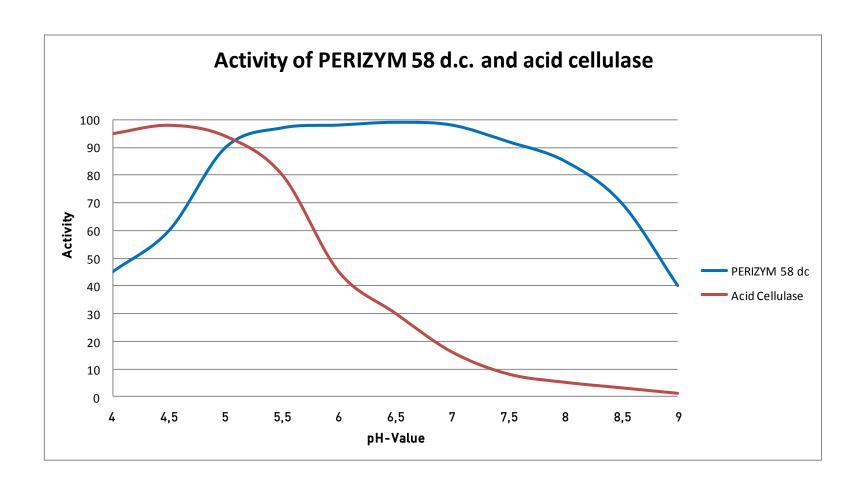
pH: 5 - 8; optimum at 6.0 - 7.0

Treatment time: 15 - 60 minutes

Enzyme stop: 10 minutes \geq 75 °C or 10 minutes at pH \geq 9.0

PERIZYM 58 d.c.







PERIZYM 69 PERIZYM 69 d.c. PERIZYM 69 conc.

New generation of neutral cellulases



PERIZYM 69/69 d.c./69 conc.



Chemistry: Special enzyme proteins

Consistence: Amber liquid

Properties:

- highly cost effective and efficient neutral cellulase
- for biofinishing and stone washing
- less loss of weight and strength compared to acid cellulases
- working range between pH 5 and 8
- less backstaining compared to acid cellulases on blue denim articles
- on coloured fabric, there is less bleeding and therefore less colour changing

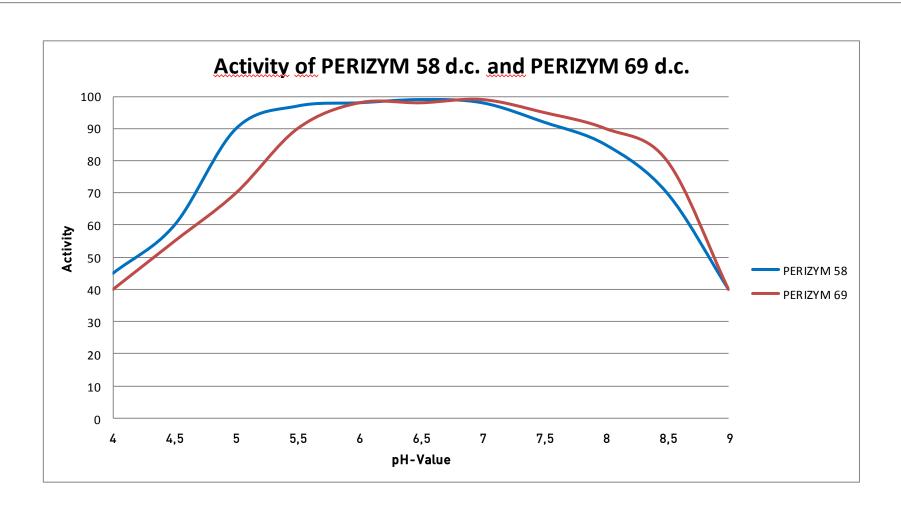
PERIZYM 69/69 d.c./69 conc.



	PERIZYM 69	PERIZYM 69 d.c.	PERIZYM 69 conc.
Usage amount [g/l]:	0.5 – 4.0	0.25 – 2.0	0.1 – 0.5
LR:	1:4 - 1:10		
Temperature [°C]:	45 – 60		
рН	5 – 8; optimum at 6.0 – 7.0		
Treatment time [min.]	15 – 60		
Enzyme stop	10 minutes \geq 75 °C or 10 minutes at pH \geq 9.0		

PERIZYM 58 d.c. / PERIZYM 69 d.c.







PERIZYM COLD

High-concentrated neutral cellulase



PERIZYM COLD



Chemistry: Special enzyme proteins

Consistence: Amber liquid

Properties: - high-concentrated neutral cellulase

- highly efficient at low temperatures

- removal of fibre fluffs

less loss of weight and strength compared to acid cellulases

working range between pH 5 and 8

 less backstaining compared to acid cellulases on blue denim articles

 on coloured fabric, there is less bleeding and therefore less colour changing

PERIZYM COLD



Usage amount: 0.5 - 1.0 g/l

LR: 1:4 – 1:10

Temperature: 30 – 45 °C

pH: 5 – 8; optimum at 6.5

Treatment time: 15 – 60 minutes

Enzyme stop: 10 minutes \geq 80 °C or 10 minutes at pH \geq 9.5



PERIZYM ACE 10

High-concentrated acid cellulase



PERIZYM ACE 10



Chemistry: Special enzyme proteins

Consistence: Amber liquid

Properties: - high-concentrated modified acid cellulase

- very good cost-performance ratio

- removal of fibre fluffs

- working range between pH 4.5 and 5.5

 less backstaining compared to other acid cellulases on blue denim articles

PERIZYM ACE 10



Usage amount: 0.3 - 1.5 g/l

LR: 1:4 – 1:10

Temperature: 50 - 60 °C

pH: 4.5 – 6.0; optimum at 5.0

Treatment time: 15 – 45 minutes

Enzyme stop: 10 minutes \geq 80 °C or 10 minutes at pH \geq 9



PERLAVIN BSP NEW

New washing agent in order to avoid backstaining



PERLAVIN BSP NEW



Chemistry: Modified polyester

Consistence: Viscous dispersion

Ionogenity: Nonionic

Properties:

not enzyme toxic, usage in all enzyme applications

- improves the surface smoothness
- good soil release properties
- improved hydrophilicity, especially on synthetic garments
- lowering of the static charge
- acts as crease preventing agent

PERLAVIN BSP NEW



Usage amount: 0.3 - 1.0 g/l

LR: 1:4 – 1:10

Temperature: 20 – 80 °C

Treatment time: 5 - 60 minutes

Concentrate

available: PERLAVIN BSP NEW/P100



PERLAVIN BSP NEW/P100

Antibackstaining concentrate



PERLAVIN BSP NEW/P100



Chemistry: Modified polyester

Consistence: Beige powder

Ionogenity: Nonionic

Properties: - not enzyme toxic, usage in all enzyme applications

- improves the surface smoothness

- good soil release properties

improved hydrophilicity, especially on synthetic garments

- lowering of the static charge

- acts as crease preventing agent

PERLAVIN BSP NEW/P100



PERLAVIN BSP NEW/P 100 has to be diluted very thoroughly before adding into the drum washing machine

Stirring unit with possibility for heating or using hot water

Place 81 parts hot (minimum 70 °C) water in the vessel

add 19 parts PERLAVIN BSP NEW/P 100 during stirring in the hot water.

By constant stirring a homogeneous, lump free dispersion is produced within around 30 minutes.

PERLAVIN BSP NEW/P100



Usage amount: 0.05 - 0.3 g/l

LR: 1:4 – 1:10

Temperature: 20 – 80 °C

Treatment time: 5 – 60 minutes



New generation antibackstaining concentrate





PERLAVIN AB/W 83 is a high concentrated antibackstaining, dispersing and washing agent

Chemistry: Modified polyester and quaternary

ammonium compounds

Consistence: High viscous, yellowish dispersion

Ionogenity: Slightly cationic



Properties:

- not enzyme toxic, usage in all enzyme applications
- improves the surface smoothness
- good soil release properties
- improved hydrophilicity, especially on synthetic garments
- lowering of the static charge
- acts as crease preventing agent
- dilutable with water in all ratios
- very good dispersing properties of dyestuffs and pigments
- prevent and clean redeposition of the fabric by detached dystuff particles



Usage amount: 0.1 - 1.0 g/l

LR: 1:4 – 1:10

Temperature: 20 – 80 °C

Treatment time: 5 – 60 minutes





Modified cationic polyurethane dispersion





Chemistry: Modified aliphatic polyurethane

Consistence: Opal, slightly viscous dispersion

Ionogenity: Cationic

Solubility: Dilutable with cold water



Application fields:

- printing on all kind of fibres, to modify the affinity for dyes on printed areas
- coating; to modify the affinity for dyes on coated areas
- foulard application, to get deeper colours with wash-out effects
- crock fastness improvement, in exhaust process together with softening step
- special effects like foam-washing, to get unlevelled, unique effects





Foam-Dye Dyeing with reactive dyes



Paint-Dye Dyeing with reactive dyes





Printing +
Dyeing with acid
dyes



Printing +
Dyeing with
reactive dyes



PERICOAT LEF

Leather-like effects



PERICOAT LEF



Chemistry: Polymercompound of vinylacetate/ethylene

copolymer and aluminium silicates

Consistence: Viscous beige dispersion

Ionogenity: Anionic

Properties: - high pigment binding capacity

- forms solid leather-like effects

- washpermanent after curing

miscible with most anionic or nonionic polymers and pigments

- application by spraying or brushing

PERICOAT LEF



Brush: 600 g/l PERICOAT LEF

x g/l PERICOLOR WHITE P/YW

y g/l PERICOLOR P pigment

Brushing the paste on the respective areas of the

garment

Drying: 60° C, 20 minutes

Afterwards break/wrinkle the film. To improve the handle

brushing the following products

Finishing: 200 - 300 g/l PERICOAT SOT

(by brush) x g/l PERISOFT BLF

y g/l PERICOLOR P pigment

Drying: 80° C, 20 minutes

Curing: 140° C, 15 minutes

Feel free to modify our application recommendation by your individual ideas and processes.

PERICOAT LEF









PERIPRET SIS

Permanent silicone



PERIPRET SIS



Chemistry: Polymercompound based on crosslinkable

silicones

Consistence: Pasty white emulsion

Ionogenity: Nonionic

Properties: - forms very soft and flexible films

- wash-permanent after curing

- miscible with polymers and pigments

- application by spraying or brushing

- application on woolen garments

- to modify the handle

prevent felting

PERIPRET SIS



Spraying: 771 g/l PERIPRET SIS

4 g/l PERICOLOR

GREEN FL/YG

225 g/l water

Curing: 10 minutes, 140 °C







PERICOAT SOT

The new soft touch polymer



PERICOAT SOT



Chemistry: Polymercompound based on silicones and

acrylates

Consistence: Pasty white dispersion

Ionogenity: Anionic

Properties: - forms very soft, shiny and flexible films

- washpermanent after curing

- miscible with polymers and pigments

- application by spraying or brushing

- improvement of crocking fastness on woven garments

PERICOAT SOT



Prewashing: 2.0 g/l PERIZYM 58

1.0 g/l PERLAVIN NIC

55 °C, 20 min., rinse cold

Dyeing: $3.0 \text{ g/l} \text{ Na}_2\text{CO}_3$

0.5 g/l PERIGEN FTR NEW

0.5 % PERICOLOR YELLOW FL/7G

10.0g/l NaCl

94 °C, 30 min., rinse cold

Spray: 975 g/l PERICOAT SOT

25 g/l PERICOLOR YELLOW

Drying: 60 °C, 15 min. Curing: 140 °C, 10 min.

Softwash: 3.0 % PERISOFT BLF

1.0 g/l PERISTAL E

40 °C, 20 min., tumbling





PERICOAT ST SPECIAL

Formaldehydefree silicone acrylate compound



PERICOAT ST SPECIAL



Chemistry: Polymercompound based on silcones and

formaldehyd-free acrylates

Consistence: Pasty white dispersion

Ionogenity: Anionic

Properties: - forms very soft, shiny and flexible films

- complete formaldehyde-free

- washpermanent after curing

- miscible with polymers and pigments

- application by spraying or brushing

- Improvement of crocking fastness on woven

garments

PERICOAT ST SPECIAL



Spray: 979 g/l PERICOAT ST SPECIAL

14.3g/l PERICOLOR RED P/YR

6.7g/l PERICOLOR BLUE P/YB

Drying: 80 °C, 15 min. Curing: 140 °C, 10 min.







PERISOFT BLF

Silicone macro emulsion with colour deepening effect

PERISOFT BLF



Chemistry: Modified functional silicones

Consistence: white, liquid emulsion

Properties: - high-concentrated macro emulsion

- washpermanent

- very soft and smooth handle

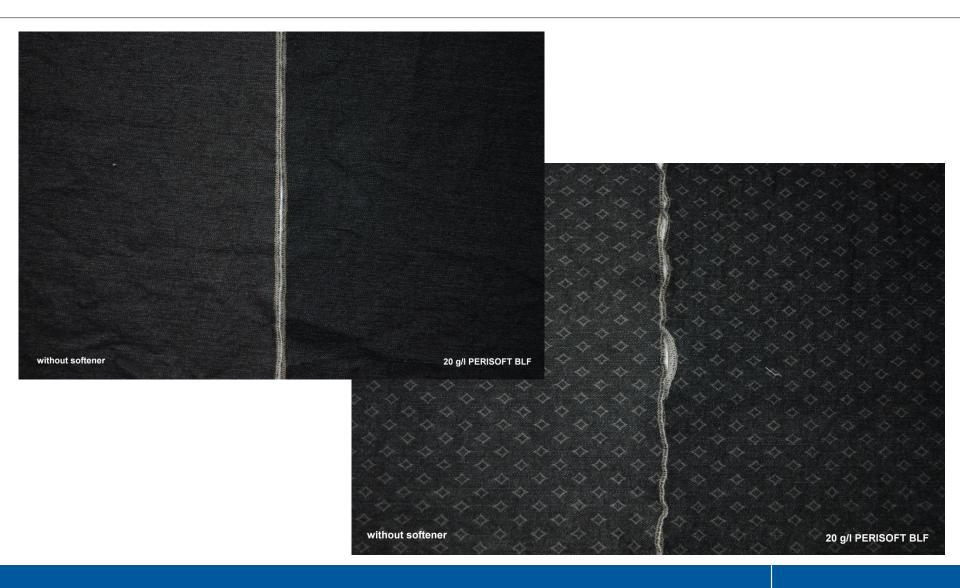
good elasticity and excellent dimension stability

 provides perfect colour deepening and shiny effects

- improves the sewability of textiles and garments

PERISOFT BLF







PERFIXAN PC 55 NEW

Crosslinking system for permanent wrincles



PERFIXAN PC 55 NEW



Chemistry: Modified dimethylol dihydroxy ethylene urea

Consistence: Colourless liquid

Properties: - self-catalysing crosslinking agent

high concentrated and wash-permanent resin

 low content of formaldehyde (< 75 ppm, Oeko-Tex standard 100)

- miscible with PERIPRET FINISH (acrylic polymer)
- application by spraying or dippinghydroextract

PERFIXAN PC 55 NEW



Guiding recipe for permanent wrincles, spray application:

100 - 200 g/l PERFIXAN PC 55 NEW

30 - 150 g/l PERIPRET FINISH

Spray the whole garment (15 – 25 % liquor pick up), double spray on demanded wrincle areas and form the creases by clips.

Drying: 80 °C, 20 minutes

Curing: 140 °C, 15 minutes

Remove the clips and soften the garments



Formaldehyde-free crosslinking system for permanent wrincles



Chemistry: Modified dimethyl dihydroxy ethylene urea

Consistence: Colourless liquid

Properties: - self-catalysing crosslinking agent

high concentrated and wash-permanent resin

free of formaldehyde (Oeko-Tex standard 100)

miscible with PERIPRET FFA (acrylic polymer, free of formaldehyde)

 application by spraying or dippinghydroextract



Guiding recipe for permanent wrincles, spray application:

200 – 250 g/l PERFIXAN NOF-PC

30 – 200 g/l PERIPRET FFA

Spray the whole garment (15 – 25 % liquor pick up), double spray on demanded wrincle areas and form the creases by clips.

Drying: 80 °C, 20 minutes

Curing: 140 °C, 15 minutes

Remove the clips and soften the garments



Spray:

200 g/l PERFIXAN NOF-PC

180 g/l PERIPRET FFA

Forming creases

Drying: 80 °C, 25 min.

Curing: 140 °C, 15 min.

Softwash:

3.0 % PERISOFT LOF/R

0.5 g/l acetic acid

15 min, 40 °C





Spidernet effects





Chemistry: Saturated hydrocarbons, solid

Consistence: White pastilles

Properties: - solid wax

- melting temperature at around 60 °C

- no drying after application necessary

- easy to wash out after application







- PERIPRET SPIDER is melting at temperatures around 65 °C
- Heat up PERIPRET SPIDER to 70 80 °C in a heat resistant pot.
 Higher temperatures should be avoided because the product penetrates too much into the fabric.
- Brush the paste on the desired areas of, for example, indigodyed garments. As soon as PERIPRET SPIDER is cooled down to room temperature a hard film is created.
- Crack the film by hand.
- After cracking the film a liquor of bleaching lye, like KMnO₄, should be brushed on the pre-treated areas. Wait until the reaction is finished.
- The film of PERIPRET SPIDER can be easily removed by washing at 75 80 °C in a drum washing machine. At the same step the removal / neutralisation of the bleaching agent can take place.



Flyer available



PERIPRET SPIDER



CHEMICAL TYPE

Saturated hydrocarbons, solid

PRODUCT CHARACTERISTICS AND BENEFITS

PERIPRET SPIDER forms a hard film wich can be easily cracked. Bleaching liquors can penetrate the cracks thus a spidernet-like pattern can be created. PERIPRET SPIDER has the advantage of being non-aqueous and therefore no

drying is necessary after its application.

APPLICATION

- PERIPRET SPIDER is melting at temperatures around 65 °C.
- Heat up PERIPRET SPIDER to 70-80 °C in a heat resistant pot. Higher temperatures should be avoided because the product penetrates too much into the fabric.
- Brush the paste on the desired areas of, for example, indigo-dyed garments. As soon as PERIPRET SPIDER is cooled down to room temperature a hard film is created.
- Crack the film by hand.
- After cracking the film a liquor of bleaching lye, like KMnO_p should be brushed on the pre-treated areas. Wait until the reaction is finished.
- The film of PERIPRET SPIDER can be easily removed by washing at 75–80°C in a drum washing machine. At the same step the removal/ neutralisation of the bleaching agent can take place.

QUANTITY USED - WASHING

Washing

2-3 g/l PERLAVIN PAM

possibly neutralising agent like sodium bisulfite

20-30 minutes at 75-80 °C

rinse twice

After rinsing a conventional softening step is recommended

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The above indications are based on the latest state of our knowledge. Due to different operational conditions and requirements base are guidelines only. A legicly binding assumence contains the determinant indications. Our behinds test will always be a layout depend on a support you in behinds that will be always be at your disposal to expert you have been governed and to show the freshward operations. Our 2016.



Ecological bleaching of blue denim





Chemistry: Special oxidising agents and bio polymers

Consistence: White granulate

Properties: - ecologically harmless bleaching alternative

- no strength loss at all on cotton

- inactivation of cellulases (no enzyme stop after enzymatic "stonewash" required

- creating a dirty look on indigo dyed denim

specially suitable for lycra-containing blends

 works at temperatures between 65° C and 80 °C

easy application, contains buffers and catalyst



Using amount: liquor ratio 1:4 - 1:10

0.5 - 4 % PERISTAL IGO 75

related to the weight of the goods

pH value: 4.0 - 5.0 (buffered)

Temperature: 65 - 80 °C

Treatment: 15 – 45 minutes, after obtaining

desired bleaching the addition of

alkaline will stop the bleaching

procedure



Pre-treatment with: 1.0 g/l PERIZYM 58 20 min, 50 °C, 2 x rinse



1 g/l PERISTAL IGO 75

1 g/l PERISTAL IGO 75 + 4 g/l PERISTAL WWH

10 g/l sodium hypochlorite

0.2 g/l PERISTAL IGO 75

1.5 g/l PERIZYM DEN





PERICOLOR YELLOW FL/7G

Fluorescent direct dyestuff



PERICOLOR YELLOW FL/7G



Chemistry: Stilbene dyestuff

Consistence: Yellow powder

Solubility: 60 g/l at 90 °C

Dyeing temperature: 98 °C

Dyeing pH: Neutral up to slightly alkaline

PERICOLOR YELLOW FL/7G



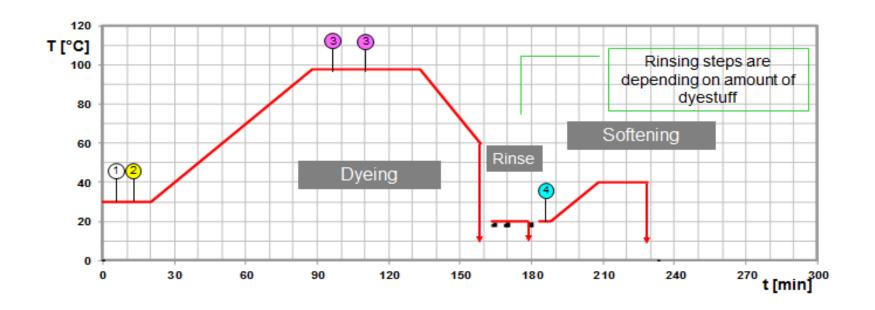
Dyeing guideline for PERICOLOR YELLOW FL/7G

① 0.5 - 2 g/l PERIGEN FTR/C 0-1 g/l Soda ash ③ d g/l NaCl or Na₂SO₄

2 X

% PERICOLOR YELLOW FL/7G

pH 5-6 e % Softener



PERICOLOR YELLOW FL/7G















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The above indications are based on the latest state of our knowledge. Due to different operational conditions and requirements these are guidelines only. A legally binding assurance cannot be drawn from our indications. Our technical staff will always be at your disposal to support you in testing our auxiliaries and to answer further technical questions.

05/2014