



**Sanitized® TH 27-24(M)  
for PES / PA sports garments  
applied during colour dyebath  
by exhaust application**

Makes textiles fresh, attractive  
and long-lasting!



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## Benefits of Sanitized® TH 27-24(M)

- › Hygiene function
- › Fungi protection

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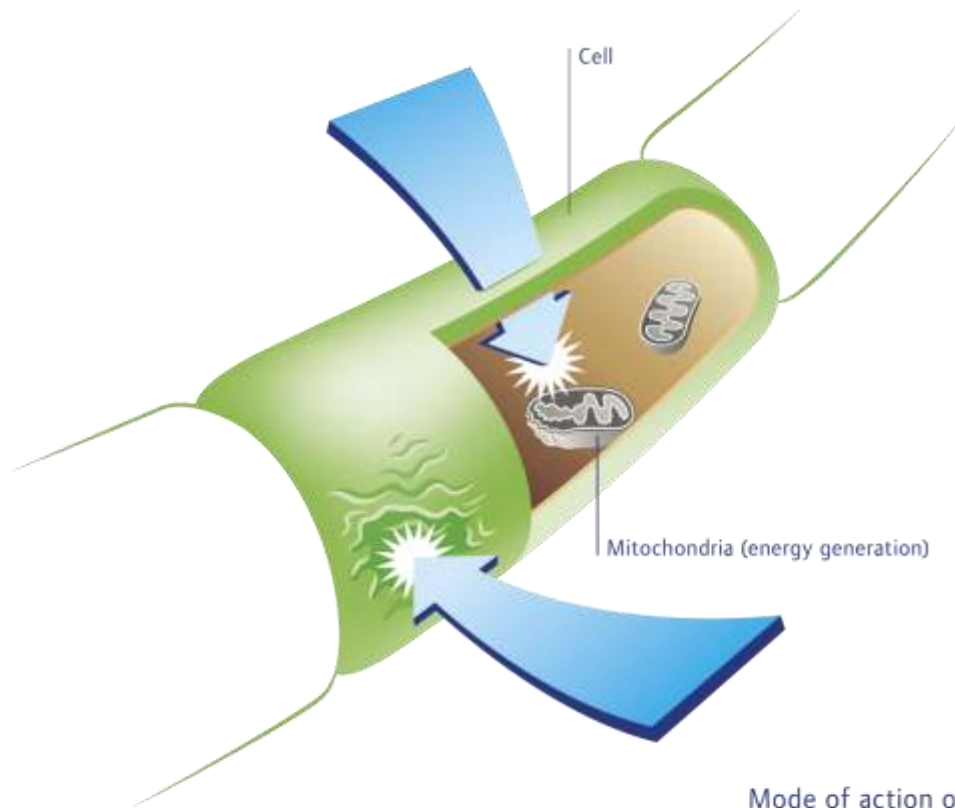
## Communication

# Characteristics of Sanitized® TH 27-24(M)



- › Based on Zinc pyrithione  
(used in a large variety of cosmetic products)
- › Water based - white to beige dispersion
- › Slightly anion-active
- › Good temperature stability
- › Ready-to-use product

# Illustration Zinc-Pyrithione. Mode of Action



Mode of action of zinc pyrithione in bacteria and fungi:

1. Destabilizes the cell membrane
2. Inhibits the generation of energy
3. Prevents the storage of energy

# Application



- › Padding
- › Foaming
- › Coating

## Compatibility:

Binders	Appretan N 92111
Fluorocarbons	Nuva TTC, Nuva HPU
Flame retardants	Pekoflam NW liq., Pekoflam HSD liq., Pekoflam DPN liq. Conc.

# Product safety



- › Allergy UK
- › OEKO-TEX Standard 100, classes I – IV
- › bluesign®
- › EPA registration





# Wash fastness

Sanitized<sup>®</sup> TH 27-24(M) has a reliable wash fastness, if the textile care follows the Sanitized<sup>®</sup> recommendation:

Textile care:

End articles which are treated with Sanitized<sup>®</sup> TH 27-24(M) should be washed carefully with a pH-neutral wash detergent. e.g. “wool wash detergent”





# Sanitized® TH 27-24 / TH 22-27

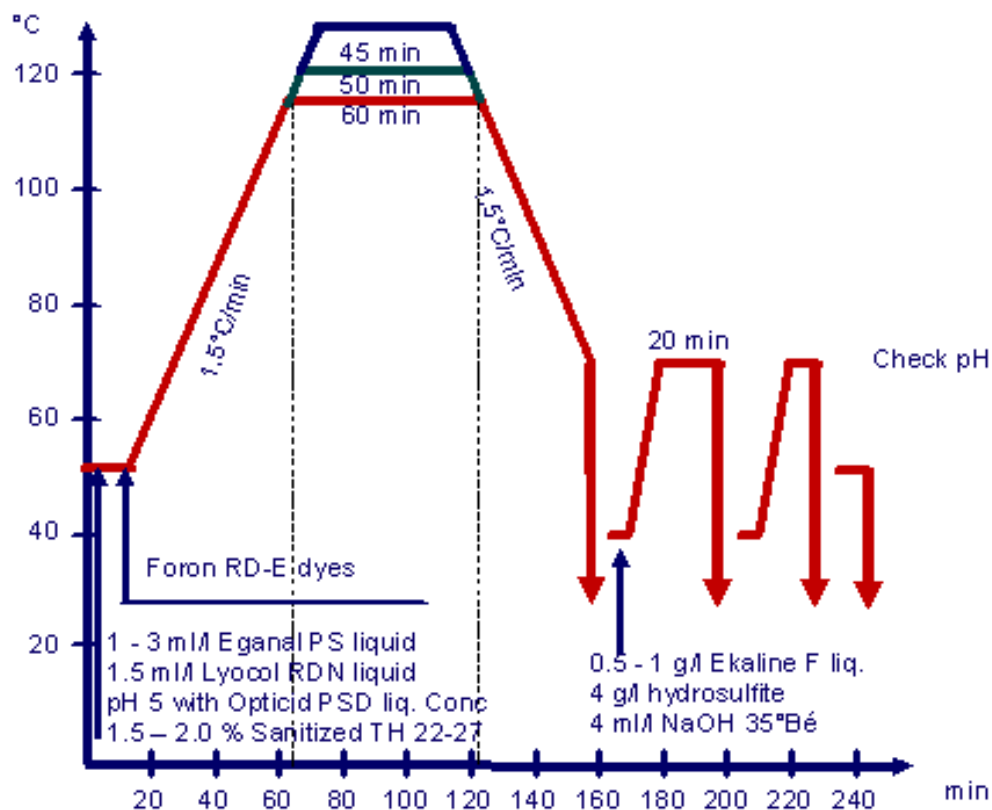
Application processes





# Sanitized<sup>®</sup> TH 22-27 in dye bath (PES)

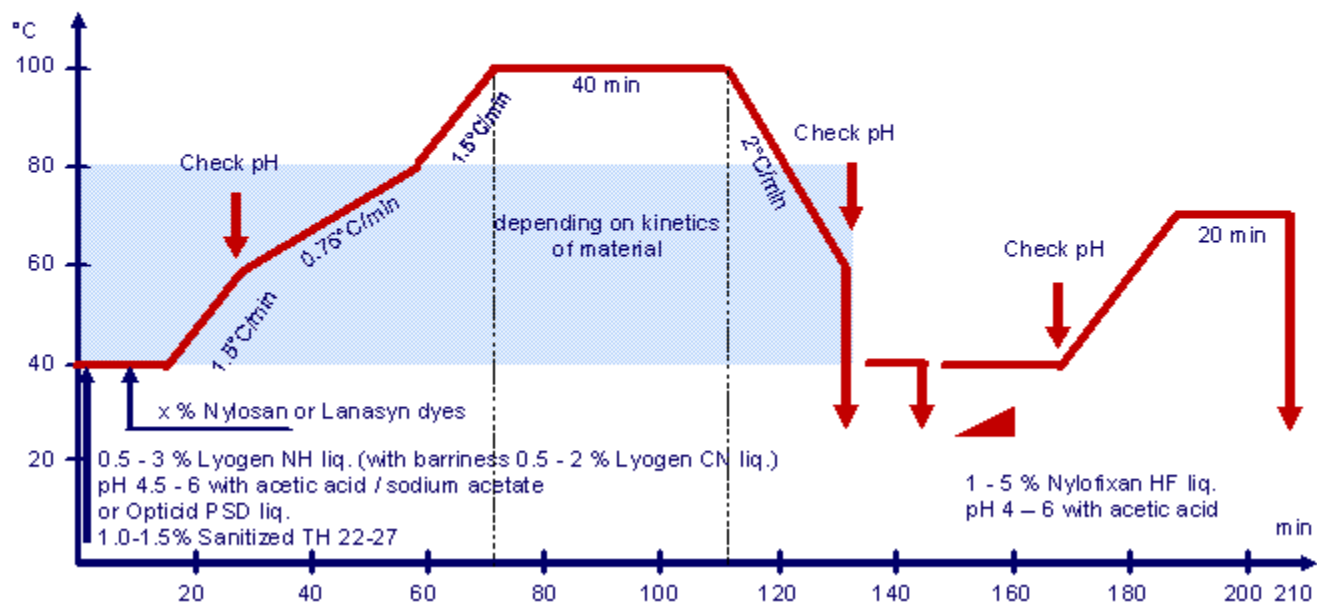
Fig. 1: PES Dyeing process for Foron dyes



TH 22-27 dosed at 1.5–2.0% is equal to 0.75–1.0% of TH 27-24(M)

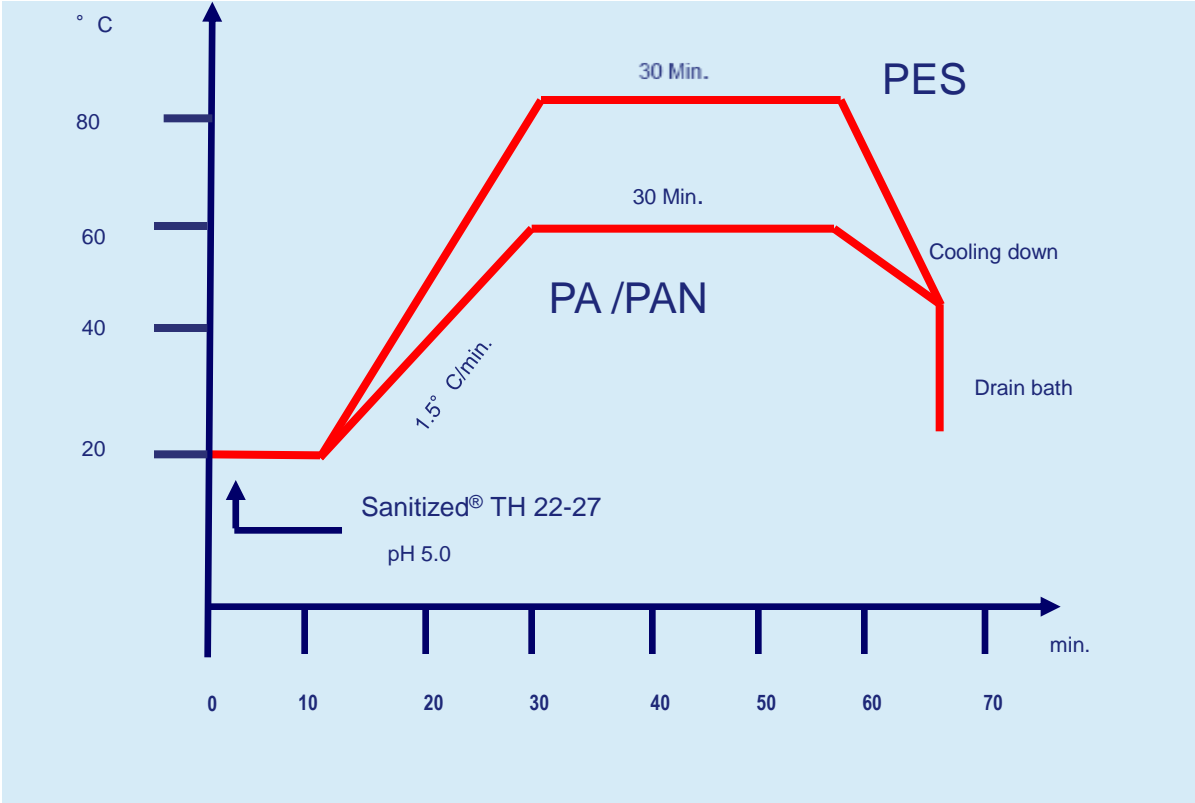
# Sanitized<sup>®</sup> TH 22-27 in dye bath (PA)

Fig. 1: Dyeing process for acid and metal complex dyes with constant pH



TH 22-27 dosed at 1.0–1.5% is equal to 0.5–0.75% of TH 27-24(M)

# Sanitized® TH 22-27 in after-treatment





# Convincing advantages

- › No influence on thermo-migration
- › No influence on rub fastness (dry/wet)
- › Limited or no influence on water column
- › Applicable in dye bath (PA and PES)
- › Recommended for dosing equipment
- › Low viscosity – better handling
- › Saves costs and time



# Sanitized® TH 27-24 / TH 22-27

Test methods

including Spotlight Marker System for

## Sanitized® TH 27-24 M



# Excellent results after 50 wash cycles on 100 % PES using JIS L- 1902

## Results

### Description of sample

Sample number: 2012-1340-02 Received: 20.09.2012  
Business: TECHNIK Type:  
Identification: S24213  
Main Component: 100% PES  
Appearance: blue  
Field of Application: sportswear  
Manufacturing Method: knitted  
Sanitized Products: Sanitized TH 22-27  
Declared quantity: 2%

Pretreatment: 50x gewaschen nach EN ISO 6330 (6A) 40°C

### Test results of the SANITIZED-laboratory

Quantitative analysis for determination of the bacteriostatic activity:				
Method	Test point	Activity	Reduction in %	Evaluation
JIS L 1902:2008	Staphylococcus aureus ATCC 6538	>4,30	>99,99	Good effect



# Excellent results after 50 wash cycles on 86/14 % PA/PU using JIS L- 1902

## Results

### Description of sample

Sample number: 2012-1340-20 Received: 20.09.2012  
Business: TECHNIK Type:  
Identification: S35980  
Main Component: 86% PA  
Minor Component: 14% PU  
Appearance: blue  
Field of Application: sportswear  
Manufacturing Method: knitted  
Sanitized Products: Sanitized TH 22-27  
Declared quantity: 2.0%

Pretreatment: 50x gewaschen nach EN ISO 6330 (6A) 40°C

### Test results of the **SANITIZED**-laboratory

Quantitative analysis for determination of the bacteriostatic activity:				
Method	Test point	Activity	Reduction in %	Evaluation
JIS L 1902:2008	Staphylococcus aureus ATCC 6538	>4,30	>99,99	Good effect



# Sanitized® TH 27-24 M.

## The best choice for optimum quality control

- › Simple quality control throughout the entire process chain – even at POS
- › Quick & easy quality control independent of time or location
- › Shorter procurement times due to immediate quality control: optimized sourcing and time-to-market
- › Protection against product pirating and rip-offs
- › All-in-one technology
- › Test costs reduction due to reduction of complexity
- › Check of recipe specifications (restricted substances list)
- › Unique system approved by the authorities (job safety)
- › Portable & simple operation
- › Low investment costs with quick amortization of the Sanitized® Spotlight



# Sanitized® Spotlight.



1. Device housing
2. Obscuration & fixation panel
3. Viewfinder



4. Switch
5. Test field

# Communication



# Sanitized® effect communication.

## Comfort icons



- › Use only permitted in combination with the Sanitized® logo
- › It is only permitted to use one type of effect or claim icon depending on chosen main effect: Freshness, Comfort, Protection.

# Sanitized® effect communication.

## Sanitized® BPR conform hang tag Freshness



- › For all EU member countries
- › Please ask for our Hangtag Manual for more information.
- › Standard languages English
- › Standard size 48 x 48 mm

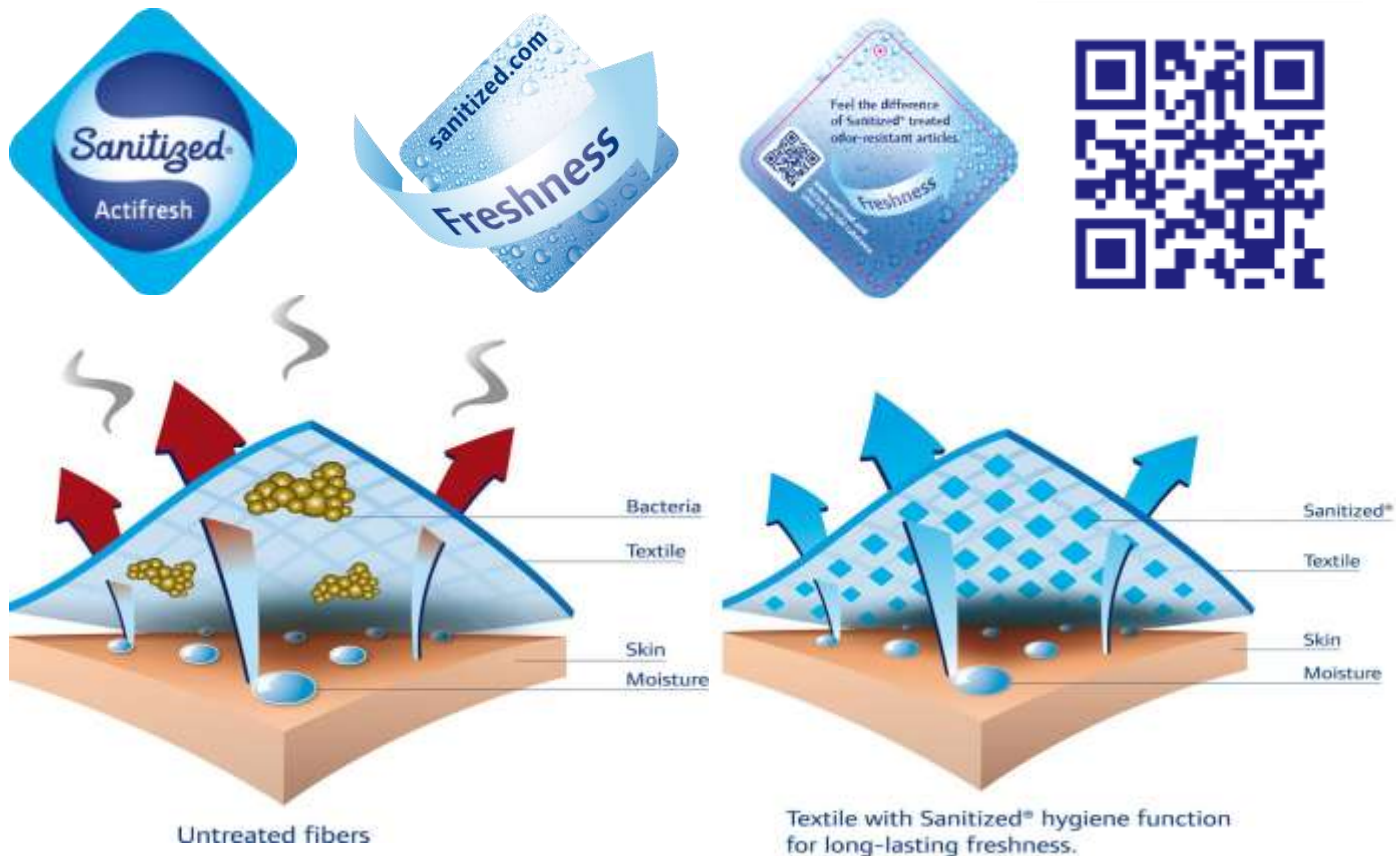


# Use Sanitized® to attract eCommerce visitors

The Sanitized® communication tools were developed to satisfy the consumer's increased demand for information. An excellent way to show the consumer the value you have added to the article.

Direct and easy to understand, with animations (short films) in line with the article packaging illustration shown in your point of sales.

Suitable as well to train your store sales people!



# Pop-up ou page web Sanitized®



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Homepage

## Comfort

Feeling of well-being thanks to the tried and tested Sanitized hygiene function

Bedding, fitted carpets, curtains or upholstery fabrics, that carry the Sanitized seal, allow a relaxing feeling of well-being. For the integrated hygiene function has a long-lasting and reliable effect. Breathe easily and relax. Sanitized excels through its proven outstanding skin compatibility and is safe for both humans and the environment.

The antimicrobial finish preserves the material longer and it has to be cleaned less frequently. You thus help to save water and energy.

[More about Sanitized >>](#)

[Active substances >>](#)

[Here you learn more about the active substances with which the materials are treated. >>](#)

Lien direct: <http://www.sanitized.com/fr/comfort.html>  
Version en français sur le web.



**Making decisions as partners.**