

# **Levasol Dyes**

**Modified Reactive dyes** 



## **Levasol dyes for Color Confidence on Wool**



Outline of presentation

New challenges in the wool market

The Levasol range for Wool

**Color Performance with Levasol CE** 

Levasol vs. alternative offers

## New challenges in the wool market

# ColourteX The Dyestuff Company

#### New trends in article

- Elegant blends with alpaca, cashmere and silk
- Blends with synthetic fibres and cellulosics
- High-twist yarns
- High-quality, flowing fabrics with a pleasant handle
- Fast changing fashion



## New challenges in the wool market



#### New demands for

Brilliant shades

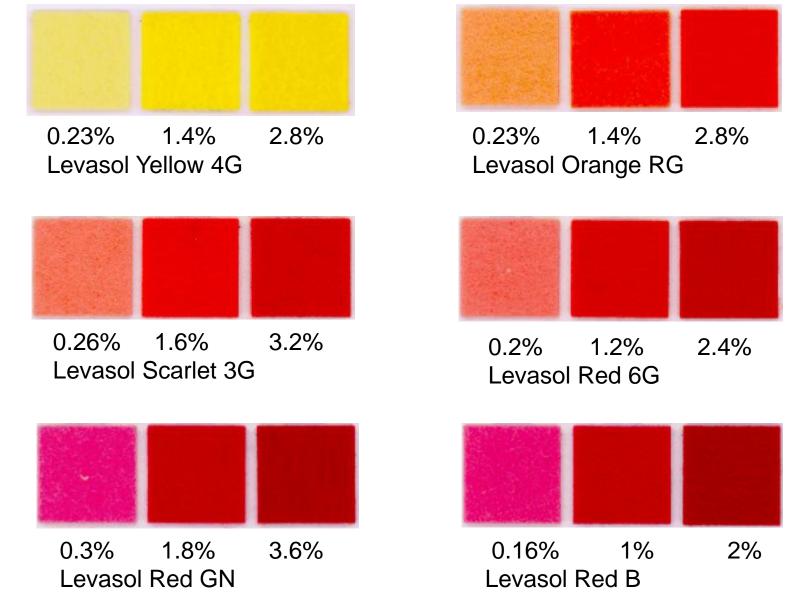
Higher processing fastness properties

- Machine washable wool, e.g. Hercosett treated articles
- Meeting the ecological standards of retailers

Maximum productivity and lower unit production costs

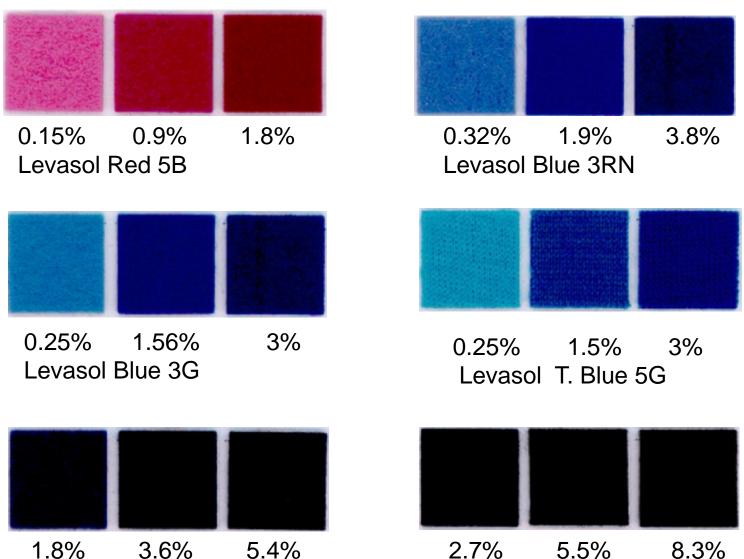


### Wide range for Cover a broad spectrum of Shades



# ColourteX The Dyestuff Company

## Wide range for Cover a broad spectrum of Shades

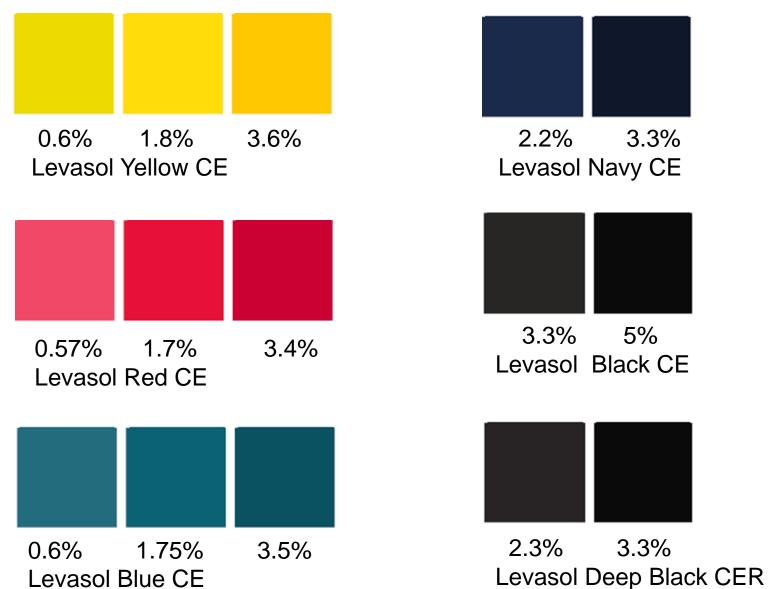


Levasol Navy Blue R

Levasol Black 3G

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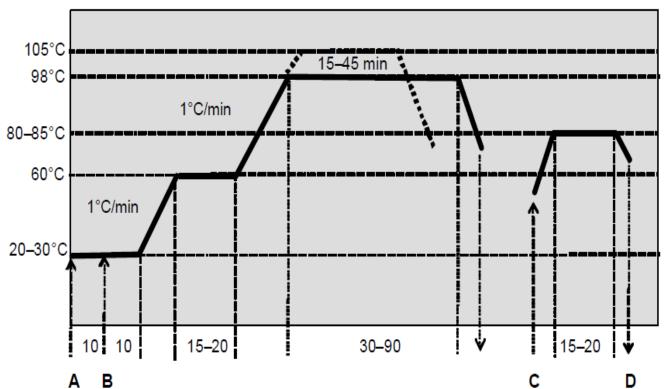
## Wide range for Cover a broad spectrum of Shades



## **Dyeing System of Levasol**

### **Dyeing Procedure:**





- A. Glauber's Salt
  Acetic Acid
  Am. Sulphte
  Levocol FB
- 5 % pH 4.5-6 3-4 % depend on Shade 1-2 g/l Levelling agent
- C . Preferably in fresh bath at 80 -85 C Soda ash pH 8- 8.5

B. Levasol Dyes X %

D. Acidify with 1% Acetic acid/Formic Acid

## **LEVASOL**: A clever range for Wool



- New high performance bi-functional reactive dyes
- Cover broad spectrum of shade; ternary; brilliants; navy and black
- Developed for excellent levelness and fastness properties on loose stock, tops and yarn
- Combine cost effectiveness with good technical properties

## The Reactive dyes concept for wool

#### The Levasol range

# ColourteX The Dyestuff Company

#### Main fields of application

#### Loose stock



 High processing fastness demands

#### **Tops**



 High processing fastness demands

#### Yarn



- High demand for fibre levelness
- Rapid changes in trend

#### Fully Fashioned / Garment dyeing



- Very high demand for levelness
- Quick to market needs response





### Benefits of Color Confidence

## High Color fastness

Meeting the requested level of fastness to light, washing, perspiration etc.

## Excellent consistency of shade

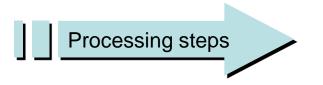
Matching the same shade on different substrates and under different light sources

### **Eco-compliance**

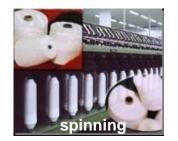
Meeting the eco standards of organisations and retailers



#### Levasol CE – Reliable application

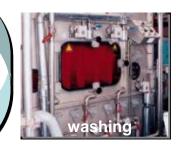








Wool is dyed in several make up forms. Reactive dyes are predestined to be applied in loose stock, tops or yarn. From this point to the end product the dyed fibre has to pass a lot of processing steps, which the dyestuff has to stand firm.













Levasol CE offers excellent processing fastness



## Levasol CE – For the highest ecological demands



- > 100% Metal free
- > 100% AOX free
- > 100% Oeko Tex Standard 100 compliant
- > 100% suitable for Baby-Articles

### Ecological alternative for the consumer



Levasol CE – For the highest ecological demands



- Easy and safe handling of products
- Fabrics suitable to meet consumer related legal requirements
- Meeting legal requirements for effluents
- Improved competitiveness
- Exhaustion rate up to 98%

Eco Compliance with Colourtex products always on the safe side!



Levasol CE – For the highest ecological demands

- Excellent all-round fastness properties
- Ecologically sound
- Reliable and economical application
- Low fibre damage

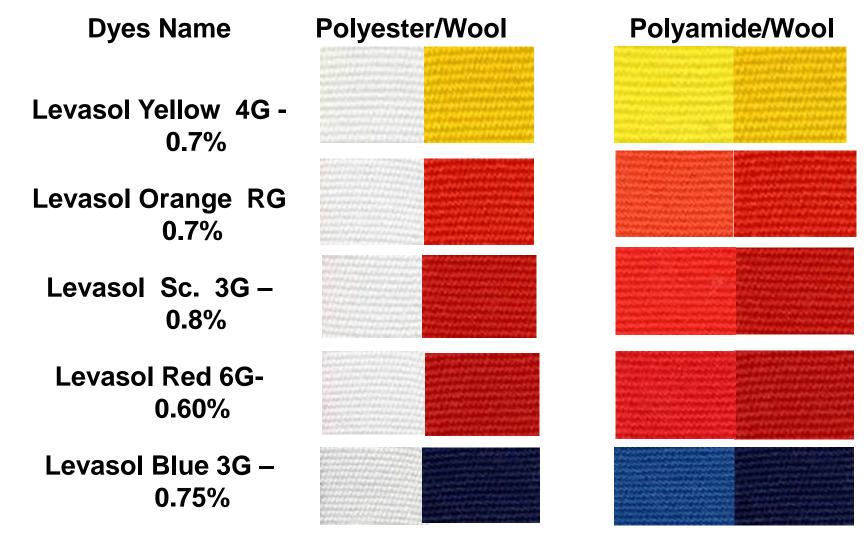
Levasol - Color Confidence in wool

## **LEVASOL**: Vs. Competition



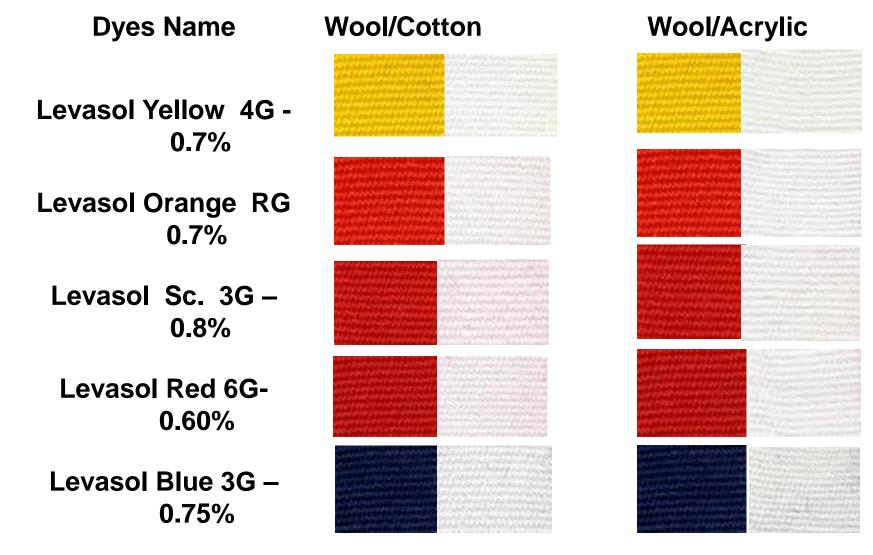
Colourtex	Huntsman	DyStar
Levasol Yellow CE	Lanasol Yellow CE	Realan Yellow EHF
Levasol Red CE	Lanasol Red CE	Realan Red EHF
Levasol Blue CE	Lanasol Blue CE	Realan Blue EHF
Levasol Blue 3RN	Lanasol Blue 3R	Realan Royal EHF
Levasol Black CE	Lanasol Black CE	Realan Black EHF

Blends Dyeing: No staining on Polyester part & Less staining on Nylon part



The Dyestuff Company

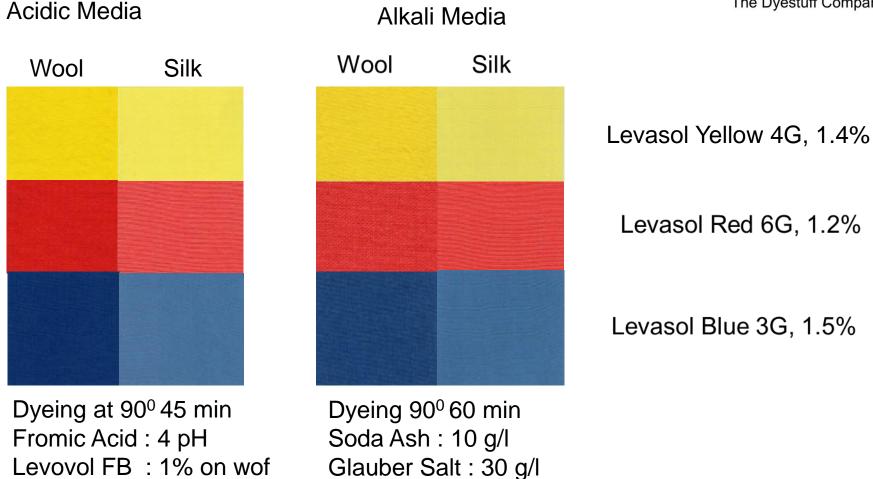
Blends Dyeing: minimum staining on Cotton part & no staining on Acrylic part



The Dyestuff Company

## **Dyeing of Wool & Silk**





Dyeing on Silk using Levasol dyes in alkali media gives good colour yield & better wash fastness than dyeing in acidic media

## Challenges for the dyer

## Variety of Articles- 100% Wool fibers









