



# Levafix CA – setting new market standards

Today's modern dyehouses are facing a double market challenge:

- Increasing retailer and consumer requirements concerning textile quality and ecology
- Increasing pressure on process costs in a globalised textile chain

DyStar is answering these challenging market demands with the innovative Levafix CA range. All are high-performance dyes applicable by all processes. This range has now been further expanded by three new items fulfilling recent specific market demands.

Levafix Amber CA for non-photochromic dyeings  
 Levafix Rubine CA for high light fastness  
 Levafix Olive CA for excellent reproducibility in critical olive/khaki shades and exceptional light fastness

The advantages of the complete Levafix CA range at a glance:

## Color Confidence Top quality: Meeting your customers highest expectations

- highest fastness level, including multiple washing, chlorine fastness properties and special retailer requirements
- fulfilment of all criteria of established eco standards
- high fixation values and very good wash-off properties
- AOX-free dyes

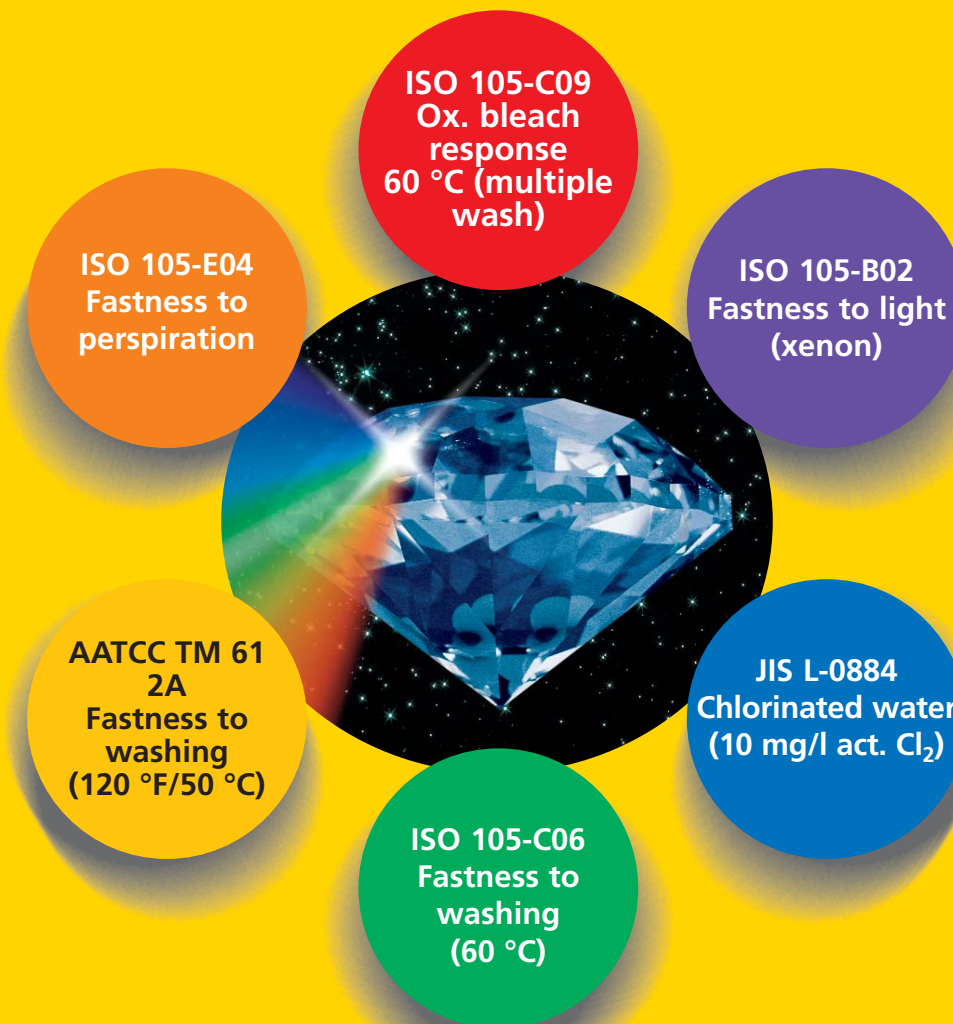
## Controlled Coloration Economic right-first-time dyeings: Excellent reproducibility and levelness

- low sensitivity to varying dyeing parameters
- homogenous fixation behaviour
- very good build-up
- flexible use in exhaust, cold pad-batch and continuous processes



# Levafix CA for Color Confidence

Levafix CA: Meeting top fastness requirements



Levafix CA: Meeting eco standards



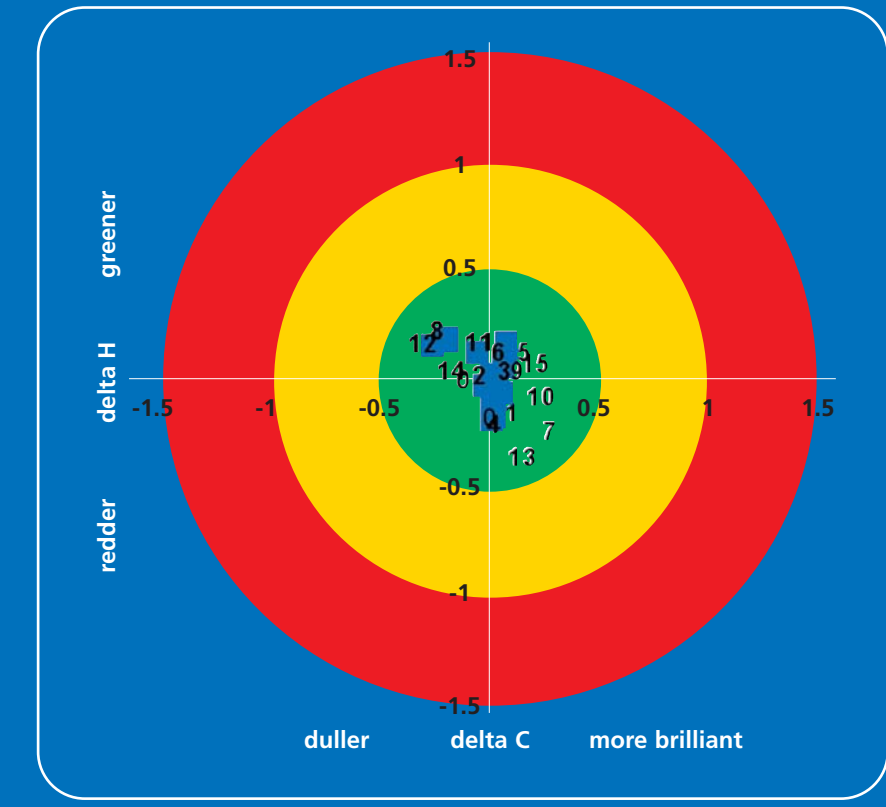
# Levafix CA for Controlled Coloration

Levafix CA: Increased productivity from...

- economic right-first-time dyeings
- excellent reproducibility
- less repairs
- less off-quality
- reduced process costs

Example: Exhaust dyeing  
 0.12% Levafix Amber CA  
 0.18% Levafix Rubine CA  
 0.12% Levafix Blue CA

- |   |                        |
|---|------------------------|
| 1: standard dyed according Levafix CA recommendation; | 7: +10% salt;          |
| 2: 10% overfill;                                      | 8: -10% alkali;        |
| 3: 10% underfill;                                     | 9: +10% alkali;        |
| 4: 20% overfill;                                      | 10: -15 min time;      |
| 5: 20% underfill;                                     | 11: +15 min time;      |
| 6: -10% salt;   | 12: -5°C temperature;  |
|   | 13: +5°C temperature;  |
|   | 14: -20% liquor ratio; |
|   | 15: +20% liquor ratio  |



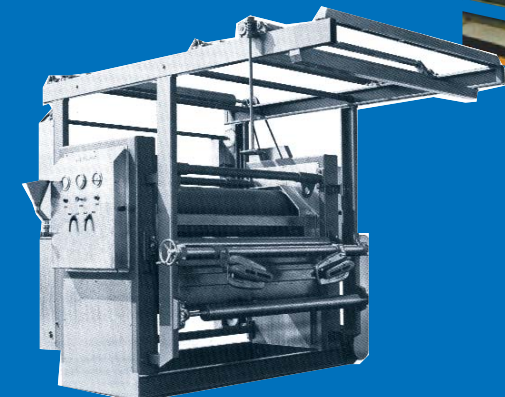
• outside tolerance limits • critical • excellent reproducibility

Levafix CA: Suitability in all processes means no metamerism across different articles and processes

Exhaust dyeing



Cold pad-batch



Continuous dyeing

