



SPECIALS



DYES



ADDITIVES



# ZETALENS DYES



[zaitex.com](http://zaitex.com)

**ZAITEX**  
DYEING AND COLOURING SOLUTIONS

# ZETALENS SERIES

The **ZETALENS A** series is recommended for CR39 polymer-based lenses, while the **ZETALENS PA** and **PA-S** ranges are recommended for PA12 polymer-based lenses.

*La serie **ZETALENS A** è consigliata per lenti a base di polimero CR-39, mentre le gamme **ZETALENS PA** e **PA-S** sono consigliate per lenti a base di polimero PA12.*

## ZETALENS A

DISPERSE DYES FOR CR-39  
POLYMER-BASED

*COLORANTI DISPERSI PER  
POLIMERO CR-39*

**RECOMMENDED DYE TRICHROMY**  
*TRICROMIA CONSIGLIATA*



**YELLOW A-7G**  
*GIALLO A-7G*



**ORANGE A-RL**  
*ARANCIO A-RL*



**SCARLET A-2R**  
*SCARLATTO A-2R*



**RED A-3B**  
*ROSSO A-3B*



**BLUE A-GLF**  
*BLU A-GLF*



**BLACK A-ECF**  
*NERO A-ECF*



**YELLOW A-02**  
*GIALLO A-02*



**SCARLET A-02**  
*SCARLATTO A-02*



**BLUE A-02**  
*BLU A-02*

## ZETALENS PA

ACID DYES FOR PA-12  
POLYMER-BASED

*COLORANTI ACIDI PER  
POLIMERO PA-12*



**YELLOW PA-4R**  
*GIALLO PA-4R*



**RED PA-2B**  
*ROSSO PA-2B*



**BLUE PA-4R**  
*BLU PA-4R*

## ZETALENS PA-S

METAL-COMPLEX 1:2 IN DISPERSE  
FORM FOR PA-12 POLYMER-BASED

*COLORANTI METALLO-COMPLESSI 1:2 IN  
FORMA DISPERSA PER POLIMERO PA-12*



**YELLOW PA-S2G**  
*GIALLO PA-S2G*



**RED PA-SBB**  
*ROSSO PA-SBB*



**BLUE NAVY PA-SB**  
*BLU MARINO PA-SB*

**SUPPORT DYE**  
*COLORANTE DI SUPPORTO*



**BLACK PA-SRB**  
*NERO PA-SRB*

# DYEING METHOD

## METODO APPLICATIVO

Dyes / Coloranti	Dyeing methods / Metodo di tintura
ZETALENS A	Add previously dispersed dyes into softwater at 40 - 50°C under stirring, filter dye solution and add to the dyeing bath. <i>Disperdere il colorante sotto agitazione in acqua addolcita a 40 - 50°C , quindi filtrare la dispersione del colorante prima dell'aggiunta al bagno di tintura .</i>
ZETALENS PA ZETALENS PA-S	Dissolve dyes into softwater at 70 - 80°C under stirring, filter dye solution and add to the dyeing bath. <i>Sciogliere il colorante sotto agitazione in acqua addolcita a 70 - 80°C quindi filtrare la soluzione del colorante prima dell'aggiunta al bagno di tintura.</i>

# DYEING CYCLE

## CICLO DI TINTURA



Prepare the dyebath at 40°C. In presence of:

- 1,0% ZETALENS dye
- 1,0 g/l Acetic Acid 80% - pH 5,0
- 1,0 g/l ZETASPERSE IW LIQ. dispersant / levelling agent for universal use

In case of dyeing CR39 and PA12 polymer, we recommend the possible addition of one of these products:

**ZETAWET DS 700** - 0,5 - 1,0 g/l - anionic wetting agent which guarantees good hydrophilicity of the material to be dyed.

**ZETADIF ECOL-N** - 3,0 - 5,0 % - highly effective carrier recommended for PA12 polymer or polycarbonate-based polymers

**ZETANIL RAD** - 0,5 - 2,0 g/l - levelling / dispersing for the dyeing of PA12-based polymers

Raise the dyebath temperature to 60°C for PA12-based polymers and 80-85°C for CR39-based polymers, run for 120'.

Cool the bath and wash with plenty water.

*Preparare il bagno di tintura a 40°C. In presenza di :*

- 1,0 % colorante ZETALENS
- 1,0 g/l Acido Acetico 80% - pH 5,0
- 1,0 g/l ZETASPERSE IW LIQ. agente disperdente / ugualizzante per uso universale

*In caso di tintura di polimero CR39 e PA12 si consiglia l'aggiunta eventuale di uno di questi prodotti:*

**ZETAWET DS 700** - 0,5 - 1,0 g/l - imbibente/ bagnante anionico che garantisce una buona idrofilità del materiale da tingere

**ZETADIF ECOL-N** - 3,0 - 5,0 % - carrier altamente efficace consigliato per polimero PA12 o polimeri a base di policarbonato

**ZETANIL RAD** - 0,5 - 2,0 g/l - ugualizzante - disperdente per la tintura di polimeri a base di PA12

*Portare il bagno alla temperatura di 60°C per polimeri a base di PA12 e 80°-85° C per polimeri a base di CR39 mantenendo per 120'.*

*Raffreddare il bagno e lavare con abbondante acqua.*

# ZAITEX

DYEING AND COLOURING SOLUTIONS



ZAITEX is a bluesign®  
system partner



ZAITEX is a ISO 9001:2015  
certified company.



[zaitex.com](http://zaitex.com)

Warnings: the information and recommendations presented here were written with the utmost care, but they can't be extended to cover every possible case. They have to be intended as non-binding guidelines and must be adapted to the process condition. The product - whether used singly or in combination with other substances - should undergo lab tests prior to bulk production. Our Company can not be held responsible for any negative results. The Customers take on full responsibility regardless of the result they are going to get.