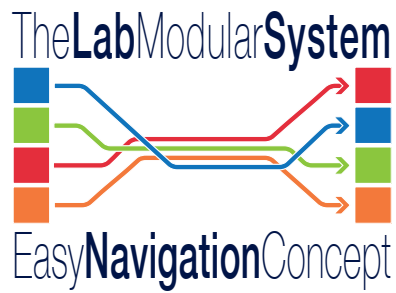


ServiceCentre



LAB CONSUMABLES



5.0 CONSUMABLES



5.1 Supra Nylon Cords and Lens Washers

- Supra Nylon Cords 4
- Plastic Strip for Supra Frames assembly 5
- Lens and Flex sides Washers 5

5.2 Glues and Thread Lock

- Thread Lock 6
- Cyanoacrylate Glues for Frames 7
- Cyanoacrylate Glues for Lenses 8
- UV Glue for Rimless Lenses 9

5.3 Detergents - Marker pens for Lenses

- Detergents for Ultrasonic Cleaners 10
- Lens and Frame Cleaners - SprayClean 11
- Ink remover 12
- Marker pens 13
- Ink for Lensmeters 13

5.4 Blocking Pads - Accessories for Glazing

- Ripped Blocks and Lens Clamp Adaptor 14
- Discs for lens protection 15
- Discs for hydrophobic treatments 15
- Blocking Pads 16
- Formers, Scissor, No Foam 21
- Cleaning and dressing diamond sticks 21



5.5 Pens to colour Lenses and to touch-up Frames

- Water Lens Make Up 22
- Water Frame Make Up 23
- Touch-Up Brushes 24

5.6 Polishing Wheels and Compounds

- Polishing Compounds 25
- Polishing Wheels and compounds for Frames .. 26
- Polishing Wheels and compounds for Lenses ... 28

5.7 Dyes for Lenses - Neutralizers

- Water-soluble Dyeing Powders
for CR39-High Index-Polycarbonate 30
- BPI Liquid Dyes for CR39 32
- Clear Lenses for Tinting 33
- Neutralizer Solutions 34
- Special Liquid for Tinting 35

5.8 Soldering Consumables

- Solder Rods 36
- Solder Wire and Borax 36
- Isoflam 36
- Gas and Oxygen for Miniflam 37
- Caustic Solution and Boric Acid 37
- Plating Consumables 37
- Soldering Steps 38

5.1 SUPRA NYLON CORDS AND PLASTIC STRIP

For supra frames assembly

CLEAR SUPRA NYLON CORDS

ROUND

5 m



Ref. 01232 Ø 0,4 mm

Ref. 01235 Ø 0,5 mm

Ref. 01233 Ø 0,6 mm

Ref. 01234 Ø 1,0 mm

For metal and plastic frames

FIGURE "8"

4 m



Ref. 01242

For metal frames

FIGURE "T"

2 m



Ref. 01244

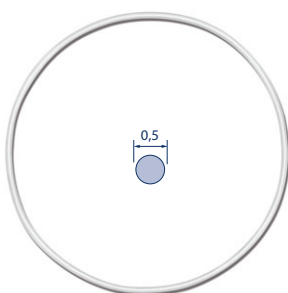
For metal and plastic frames



SILICONE GASKET FOR AIR-RIM

ROUND Ø 26,5 mm

20 pcs.



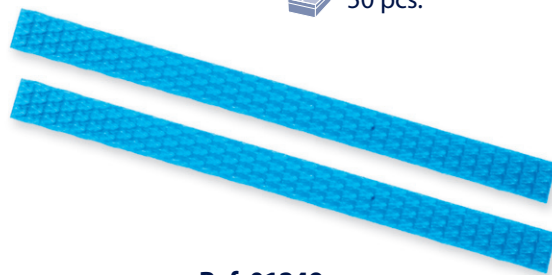
Ref. 01263

Clear



PLASTIC STRIP FOR SUPRA FRAMES ASSEMBLY

50 pcs.



Ref. 01249

Non-slip material
L = 70x5 mm



Nylon Holding Plier 03465N
to pull the nylon liner



Nylon Press-in Plier
Ref. 03470N to press
in the figure "8" liner



Mounting Hook Ref. 03480
to insert the liner into the
groove of the lens



Plastic strip Ref. 01249
to insert the liner into the
groove of the lens



Ref. 01870

SUPRA KIT

- Supra nylon cord Ø 0,5 mm clear Ref. 01235
- "Figure 8" Supra Liner clear. Ref. 01242
- "Figure T" Supra Liner clear. Ref. 01244
- Nylon Holding Plier Ref. 03465N
- Nylon Press-in Plier Ref. 03470N
- Mounting Hook Ref. 03480

Tray included, suitable for new LMS Cube.

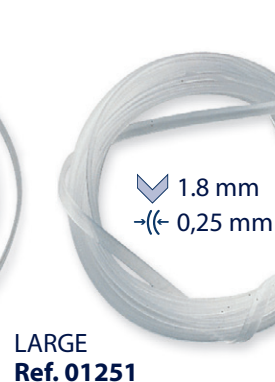
LENS AND FLEX SIDES WASHERS

5.1

In nylon, acetate, silicone, adhesive and rubber

FLEXIBLE NYLON LENS WASHERS

Dip in acetone to soften and fix into plastic frame groove



SEMI-RIGID ACETATE LENS WASHERS



SOFT SILICONE LENS WASHERS



- Adjustable with heat.
- Dip in acetone to soften and fix into plastic frame groove.

HYPO-TUBE CEMENT

Liquid lens liner suitable for:
Eyerims - Rimless - Bling crystals - Temple tips



Ref. 01415
Silicone glue - 9 ml
⌚ 10' ÷ 12' min.

RUBBER INSERT FOR ACETATE FLEX SIDE

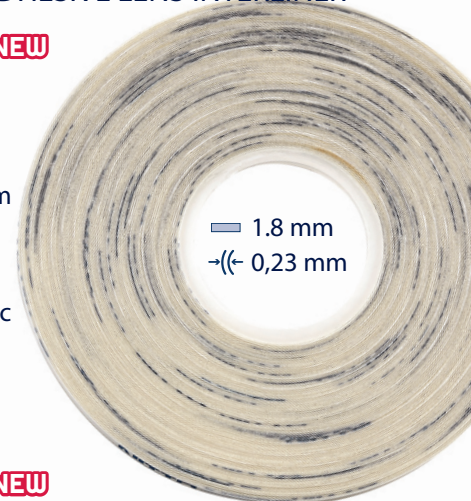


Rubber ring decreases the gap between the Acetate Flex side and Front Part.

DOUBLE SIDE ADHESIVE LENS INTERLINER



- Prevents rotation of the astigmatism axis.
- Sticks the lens to the groove.
- Ideal for thick toric lenses.
- Easy to apply.



Ref. 01873 **NEW**
LENS WASHER KIT
Ref. 01250, 01251, 01254, 01255, 01260, 01266.
Tray included, suitable for new LMS Cube.



5.2 THREAD LOCK

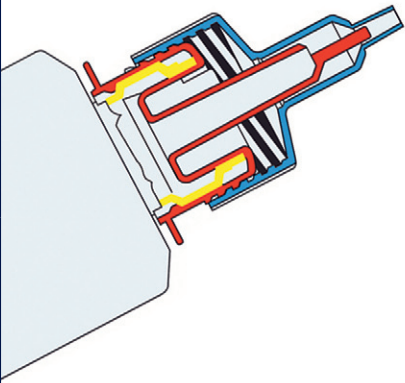
To block and seal screws and nuts

+ ergo® Made in Switzerland

All Ergo bottles come with **Patented "No Waste" Dispenser**

- "Drop by drop" release for precise application
- "Anti-desiccation" system: **After use, remove glue from nozzle to avoid obstruction.**

The nozzle does not spill and the glue does not dry out, allowing the complete contents of the bottle to be used up.



BLUE

MEDIUM STRENGTH

OIL TOLERANT



Ref. 01438

ergo® 4052

+

10 g

⌚ 3 h



Ref. 01431

LOCTITE 243

10 ml

⌚ 2 h

Ref. 01430

LOCTITE 243

50 ml

GREEN

HIGH STRENGTH

LOW VISCOSITY



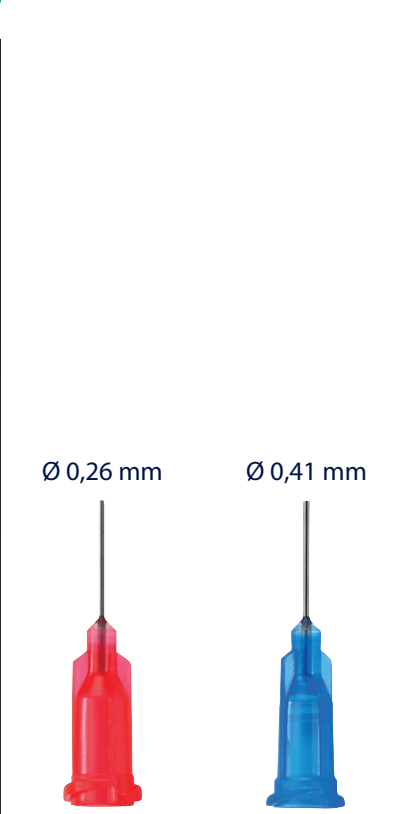
Ref.01439

ergo® 4301

+

10 g

⌚ 3 h



Ref. 01401

Dispensing needle

4 pcs.

Ref. 01403

Dispensing needle

4 pcs.

ADHESIVES FOR FRAMES

5.2

Cyanoacrylate adhesives - Mineral filler

Complete hardening after 24 hours, for best chemical and mechanical resistance.

UNIVERSAL FOR
PLASTIC - RUBBER
METAL
LEATHER



Ref. 01422
ergo® 5012 
Instant superglue - 5 g
⌚ 2" ÷ 30"

UNIVERSAL FOR
PLASTIC - RUBBER
METAL
LEATHER



Ref. 01405
LOCTITE 401
Instant superglue - 5 g
⌚ 1" ÷ 45"

ACETATE
GRILAMID
OPTYL
RUBBER - NEOPRENE



Ref. 01423
ergo® 5300 
Instant superglue - 20 g
⌚ 2" ÷ 30"

SPECIAL FOR GLASSES

ANAEROBIC GLUE
FOR METAL - PLASTIC
CERAMIC - WOOD
INNOVATIVE FORMULA

The glue remains liquid giving more time to position the parts to be joined and hardens only in the absence of air.

NEW



Ref. 01421
GLUE 21
Anti-halo - 20 g
⌚ 7" ÷ 45"

MINERAL FILLER
FOR CYANOACRYLIC
GLUES

NEW



Ref. 01428
ergo® 5000 
30 g

5.2 ADHESIVES FOR LENSES - GLUE REMOVER

Cyanoacrylate adhesives and silicone glue - Glue Remover Gel

CR39
HIGH INDEX
Suitable for plastic and metal frames

Ref. 01406 Halo-Free
LOCTITE 460
Instant superglue - 20 g
⌚ 2' ÷ 40"
With dispensing needle

GLUE REMOVER GEL
UNIVERSAL FOR
CYANOACRYLATE GLUES

Ref. 01429 Liquid Gel
ergo® 9153 +
Does not leak - 20 g
⌚ 60' ÷ 90' min.

FOR GLASS
POLYCARBONATE
METAL AND
VARIOUS MATERIALS

Ref. 01415
HYPOTUBE CEMENT
Silicone glue - 9 ml
⌚ 10' ÷ 12' min.

Liquid lens liner
suitable for:

- Rimless
- Bling crystals
- Temple tips

Easy application.
The cap with dispensing
needle allows the glue
to keep flowing freely.

UV GLUE FOR RIMLESS FRAMES

5.2

Transparent gel for filling in rimless drill holes



FOR PLASTIC AND METAL FRAMES OR LENSES

**Ideal for filling in rimless drill holes, suitable on any kind of material.
The transparent gel hardens through UV rays and can be drilled once completely dried.**

The glue hardens only under UV rays in approx. 10-12 minutes.
It must completely crystallize before it can be further processed.
The crystallization process normally takes 24 hours.
The UV lamp reduces the crystallization time to approx. 2 minutes and guarantees perfect transparency.



Ref. 01419

UV-FIX

With dispensing
needle - 10 g
⌚ 10' ÷ 12' min.
Bottle

5.3 LENS AND FRAME CLEANING IN THE LAB

Concentrated detergents for ultrasonic cleaners

Do not corrode the frames or lenses

High cleaning capacity, enhanced by the mechanical effect of the ultrasound



Ultrasonic cleaners employ high frequency energy that is generated electronically by a transmitter in the unit.

The electrical energy is then transformed into sound waves by a device known as a transducer.

Ultrasonic cleaners are easy to operate, require no maintenance and are economical to utilise due to the semiconductors technology.

They are the ideal equipment for the cleaning of frames and parts.

ACTIVE LIQUID WITH ANTIBACTERIAL PROPERTIES

Thanks to its active enzymes, this detergent can also be used without ultrasonic cleaner, just with lukewarm water. Its antibacterial properties sanitize the spectacles. Made in Italy - **100% NO ALCOHOL**

Ref. 06859 1 litre bottle concentrated

Add one/two cupfuls of detergent to 1 litre of water

OPTOCLEAN

Cleaning concentrate specifically for ultrasonic cleaners.

Made in Germany.

Ref. 05491 1 litre bottle concentrated

Add one/two cupfuls of detergent to 1 litre of water



LENS AND FRAME CLEANERS

5.3

Spray Clean with antibacterial properties, 0% alcohol

Sanitizing detergent for frames and lenses, suitable for AR coated lenses.
Wipe dry with **MacroClean**® microfiber cloth

INSTRUCTIONS FOR THE USE OF YOUR SPECTACLES

CLEANING

Use only recommended products and liquid neutral cleaners and wipe dry with a suitable cloth.
Use water if you do not have any recommended products. Do not use corrosive agents, neither alcohol or non-specific detergents, unless otherwise indicated.



ANTIBACTERIAL SPRAY CLEAN

Ref. 11945
3 bottles of 150 ml each

Ref. 11935
Refill - 1 litre bottle



MICROFIBRE GLOVES

Ref. 10490
White
Medium size
1 pair



KING SIZE MICROFIBRE

35x40 cm
For the practice, the optical workshop and retail gift.

Ref. 11992
6 pcs. assorted colours:
grey, light brown, green
Individually packed.

Ref. 11999
3 pcs. assorted colours
Suction cup included.



5.3 INK REMOVER

To remove the marking on progressive lenses

SUPPLYING THE GLASSES TO THE CUSTOMER

The presence of the original markings on progressive lenses allows to check the correct position of the optical centres.
After this, marks can be easily removed with the Ink Remover Pen (Ref. 06973) or with the Ink Remover Spray (Ref. 06976).



Centro Style marking ink cleaning solution is suitable for all types of lenses, AR coated, teflon® treated, progressive CR39 and PC lenses. Spray onto the lens and wipe with a microfiber cloth.

INK REMOVER PEN



FELT PEN
Ref. 06973
8 gr
1 pc.

INK REMOVER BOTTLES FOR THE PRACTICE AND THE LAB



SPRAY
Ref. 06976
Bottle 150 ml
3 pcs./pkg.

REFILL
Ref. 06857
Bottle 1 litre
1 pc.



MARKER PENS AND INK

5.3

To mark lenses

WATERPROOF PERMANENT MARKER PENS FOR NORMAL LENSES

Ref. 06960

Red, fine 0.6 mm
5 pcs.

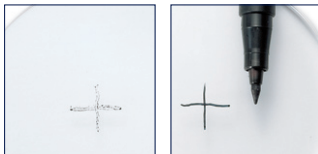


Ref. 06962

Black, fine 0.6 mm
5 pcs.



SPECIAL MARKERS



FOR TEFLON® COATED LENSES / SUPER-HYDROPHOBIC

Ref. 06964

Black, extra-fine 0.4 mm
5 pcs.



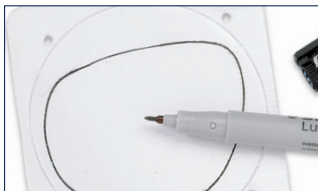
Ref. 06965

Black, fine 0.6 mm
5 pcs.



Ref. 06966

Red, fine 0.6 mm
5 pcs.



WATER SOLUBLE NON PERMANENT MARKER

Ref. 06970

Black, extra-fine 0.4 mm
Ideal to mark Press-On™.
5 pcs.



INK FOR CENTERING DEVICES



WHITE PENCIL
IDEAL FOR SUN LENSES
Ref. 06969
3 pcs.

NEW



INK FOR LENSMETERS
Ref. 06982
Red 30 ml
1 pc.

5.4 RIPPLED BLOCKS AND LENS CLAMP ADAPTOR

For Automatic Lens Edgers

■ FOR W./B. HAND EDGERS



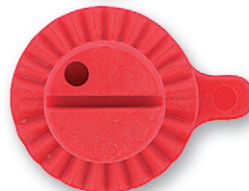
Ref. 07368
Ø 25 mm.
Block Ø 16 mm
10 pcs.



Ref. 07369
25x20 mm
Block Ø 16 mm
10 pcs.



Ref. 07367
25x17 mm
Block Ø 15 mm
2 pcs.



Ref. 07382 **NEW**
Ø 25 mm.
Block Ø 16 mm
For curved lenses
10 pcs.



Ref. 07370
Ø 25 mm.
Block Ø 16 mm
2 pcs.



Ref. 07362
25x20 mm
Block Ø 16 mm
2 pcs.



Ref. 07375
Ø 25 mm
Block Ø 14 mm
5 pcs.



Ref. 07376
Ø 18 mm
Block Ø 14 mm
5 pcs.

■ FOR N. HAND EDGERS

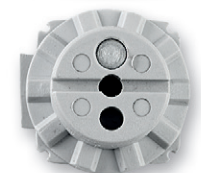


Ref. 07377 **NEW**
30x17 mm
Block Ø 12 mm
For curved lenses - 5 pcs.



Ref. 07380
30x17 mm
Block Ø 12 mm
5 pcs.

■ FOR E. MR. B./O. HAND EDGERS

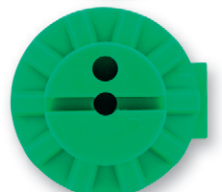


Ref. 07378
Ø 22 mm
Block Ø 15,5 mm
10 pcs.



Ref. 07379
18x14 mm
Block 15,5x14 mm
10 pcs.

■ FOR E.K. ETG. HAND EDGERS

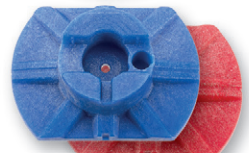


Ref. 07371
Ø 25 mm
Block Ø 15,5 mm
20 pcs.

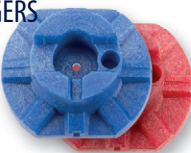


Ref. 07372
Ø 18 mm
Block Ø 15,5 mm
10 pcs.

■ FOR H. TZ. HAND EDGERS



Ref. 07388
25x17 mm
4 pcs. (2 pairs)

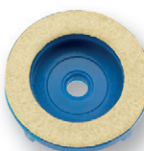


Ref. 07389
20x17 mm
4 pcs. (2 pairs)

■ Flexible Lens Clamp Adaptor for W.B.



Ref. 07384
Ø 25 mm
2 pcs.



Ref. 07385
Ø 19 mm
2 pcs.

DE-BLOCKING PLIERS



Ref. 03450N

Ref. 03452N

DE-BLOCKING PLIERS FOR SEMI-RIGID BLOCKS



Ref. 03453N

Ref. 03455N

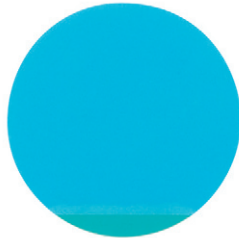
LENS SURFACE DISKS AND TAPE

5.4

Used in conjunction with blocking pads to prevent lens slippage

■ Adhesive protector

BLUE ROUND
PROTECTOR DISKS
Ø 30 mm
Ref. 07330 1000 pcs.



FOR RIMLESS FRAME ASSEMBLY

Ref. 07327 100 pcs.

NEW



Clear
32x17 mm
Holes D=2,0 mm
Slot 7x3 mm

VIDEO



■ For lenses with hydrophobic and super-hydrophobic coating

FOR LENS CURVES UP TO BASE 6 / +4.5 DPT.

Ref. 07331 500 pcs.



Clear
elliptical
40x26 mm

Ref. 07335 500 pcs.



Clear
rectangular
40x18 mm

FOR LENSES WITH HIGH WRAP-AROUND INCLINATION

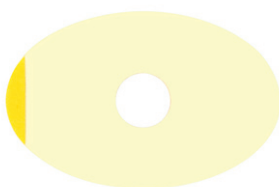
Ref. 07333 500 pcs.



Clear
elliptical
40x26 mm

FOR VERY SLIPPERY SUPER-HYDROPHOBIC LENSES

Ref. 07339 500 pcs.



Gold
elliptical
40x26 mm

Provides excellent adhesion to hydrophobic and super-hydrophobic lens coatings to prevent lenses from "twisting" and "slipping" off-axis while edging.



INSTRUCTIONS FOR USE

With common adhesive pads apply one disc to each side of the lens.

With hydrophobic and super hydrophobic adhesive pads apply only one disk to the inside of the lens.

5.4 FOR COATED LENSES

Thickness **0,4** mm - 3M Quality
CR39, High Index, Shatterproof, Glass lenses

- Excellent torque force resistance
- Excellent adhesion
- Ideal for standard lenses

FOR SMALL AND HALF-EYE LENSES

20x24 mm
Ref. 07359 1000 pcs.

For W and B edgers - 0,4 mm

For W and B edgers - 0,4 mm

FOR FULL-EYE LENSES

For E and TP edgers - 0,8 mm

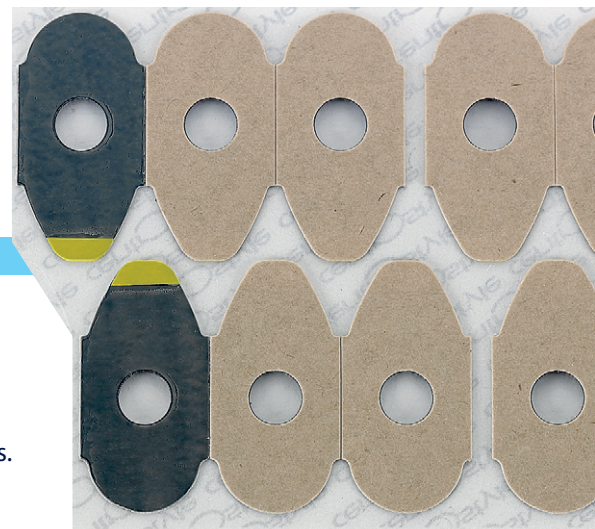
For E and TP edgers - 0,4 mm

Ø 24 mm
Ref. 07357 1000 pcs.

FOR FULL-EYE LENSES

For N edgers - 0,4 mm

17x31 mm
Ref. 07351 1000 pcs.



FOR COATED LENSES

5.4

Thickness **0,6** mm - 3M Leap™ III
CR39, High Index, Shatterproof, Glass lenses

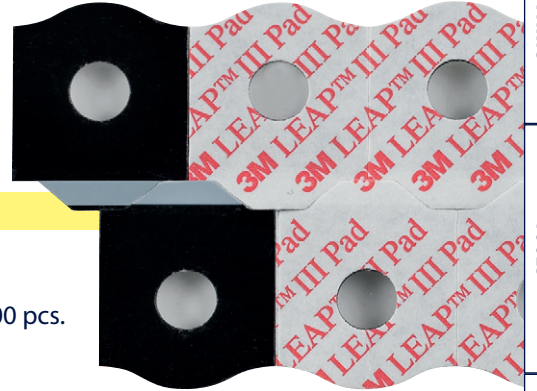
- Excellent torque force resistance
- Excellent adhesion
- Ideal for lenses with thin centre (negative powers)

FOR SMALL AND HALF-EYE LENSES



18x24 mm
Ref. 07349 1000 pcs.

FOR FULL-EYE LENSES



24x24 mm
Ref. 07345 1000 pcs.

For W and B edgers - 0,6 mm

FOR SMALL AND HALF-EYE LENSES



Ø 18 mm
Ref. 07348 1000 pcs.

Ø 24 mm
Ref. 07344 2000 pcs.

For E and TP edgers - 0,6 mm

FOR FULL-EYE LENSES



Ø 26 mm
Ref. 07346 1000 pcs.



FOR FULL-EYE LENSES



For N edgers - 0,6 mm

17x31 mm
Ref. 07347 1000 pcs.

LAB MOD SYSTEM
FRAME PARTS
TOOLS
PLIERS
EQUIPMENTS
LAB CONSUMABLES
LENSES
REFRACTION & ORTHOPTIC
INDEX

5.4 FOR COATED LENSES

Thickness **0,8** mm
CR39, High Index, Shatterproof, Glass lenses

- Very good torque force resistance
- Very good adhesion
- Excellent quality/price ratio
- Ideal for lenses with thin centre (negative powers)

FOR SMALL AND HALF-EYE LENSES

20x24 mm
Ref. **07354** 1000 pcs.

For W and B edgers - 0,8 mm

For W and B edgers - 0,8 mm

FOR SMALL AND HALF-EYE LENSES

Ø 18 mm
Ref. **07350** 1000 pcs.

Ø 24 mm
Ref. **07356** 1000 pcs.

For E and TP edgers - 0,8 mm

FOR FULL-EYE LENSES

For E and TP edgers - 0,8 mm

Ø 22 mm
Ref. **07340** 1000 pcs.

For E and TP edgers - 0,8 mm

FOR FULL-EYE LENSES

For N edgers - 0,8 mm

17x31 mm
Ref. **07355** 1000 pcs.

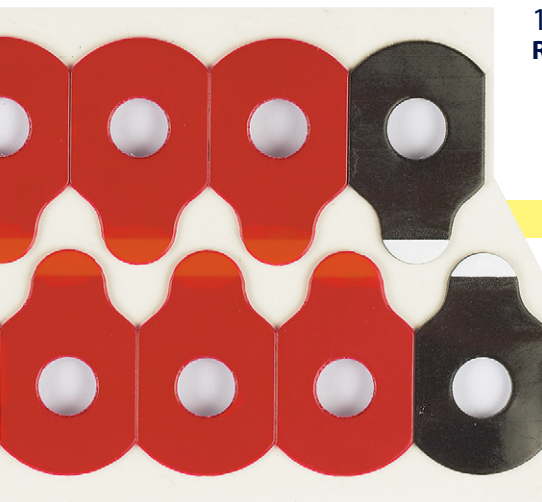
FOR HYDROPHOBIC LENSES

5.4

Thickness **0,8** mm - Optisafe®
CR39, High Index, Shatterproof, Glass lenses

- Excellent torque force resistance
- Excellent adhesion
- Ideal for standard lenses

FOR SMALL AND HALF-EYE LENSES

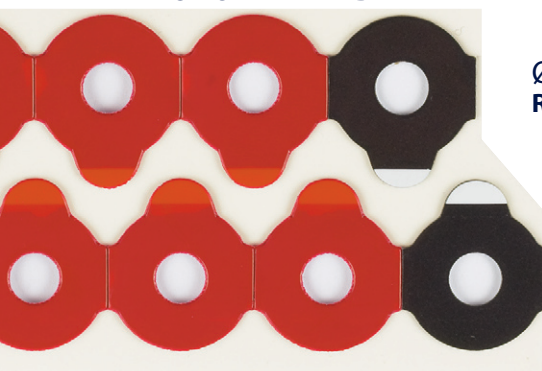


18x29 mm
Ref. 07314 1000 pcs.

For W and B edgers - 0,8 mm

For W and B edgers - 0,8 mm

FOR SMALL AND HALF-EYE LENSES



Ø 18 mm
Ref. 07312 1000 pcs.

Ø 24 mm
Ref. 07310 1000 pcs.

For E and TP edgers - 0,8 mm

For E and TP edgers - 0,8 mm

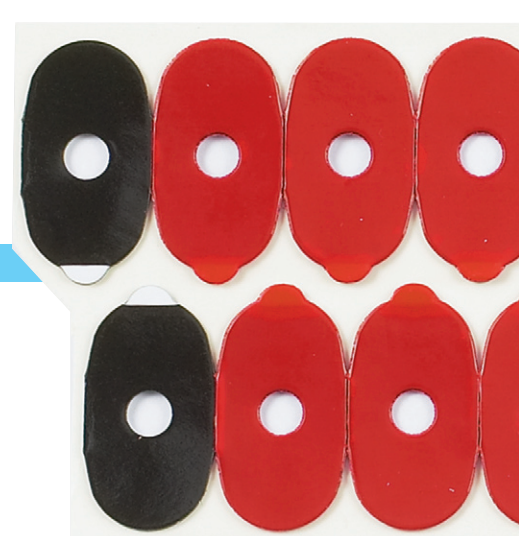
PER SAGOME NORMALI



Ø 22 mm
Ref. 07311 1000 pcs.



PER SAGOME NORMALI



For N edgers - 0,8 mm

17x31 mm
Ref. 07315 1000 pcs.

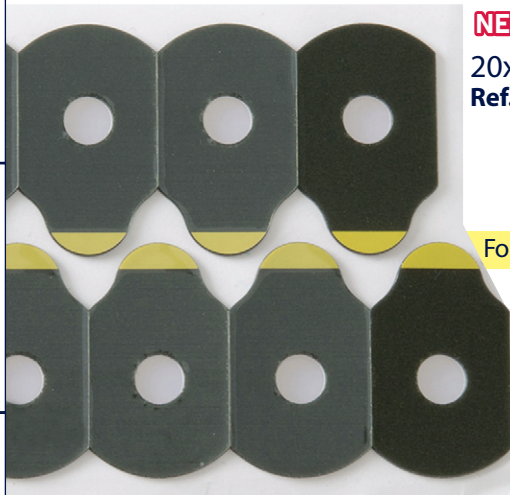
5.4 FOR SUPER-HYDROPHOBIC LENSES

Thickness **0,9** mm
CR39, High Index, Shatterproof, Glass lenses

PREMIUM FORMULA

- Excellent torque force resistance
- Excellent adhesion
- Ideal for lenses with thin centre (negative powers)

FOR SMALL AND HALF-EYE LENSES



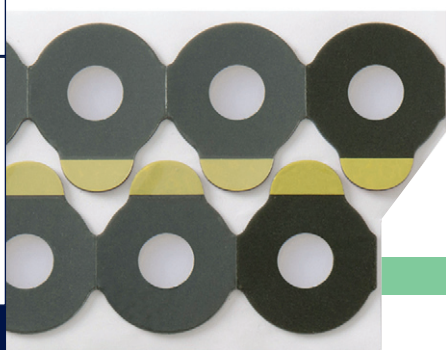
NEW
20x24 mm
Ref. **07294** 1000 pcs.

For W and B edgers - 0,9 mm



Support side, adhesive: Acrylic, **red fingerlift**
Lens side, adhesive: Polysiloxane, **yellow fingerlift**
The coloured fingerlifts help in correctly positioning the blocking pad: red for the support, yellow for the lens.

FOR SMALL AND HALF-EYE LENSES

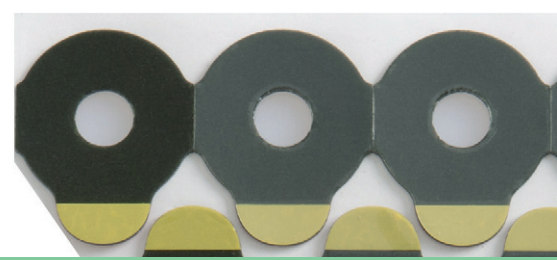


NEW
Ø 18 mm
Ref. **07292** 1000 pcs.

NEW
Ø 24 mm
Ref. **07290** 1000 pcs.

For E and TP edgers - 0,9 mm

FOR FULL-EYE LENSES



For E and TP edgers - 0,9 mm



NEW
Ø 22 mm
Ref. **07291** 1000 pcs.

FOR FULL-EYE LENSES



NEW
17x31 mm
Ref. **07295** 1000 pcs.

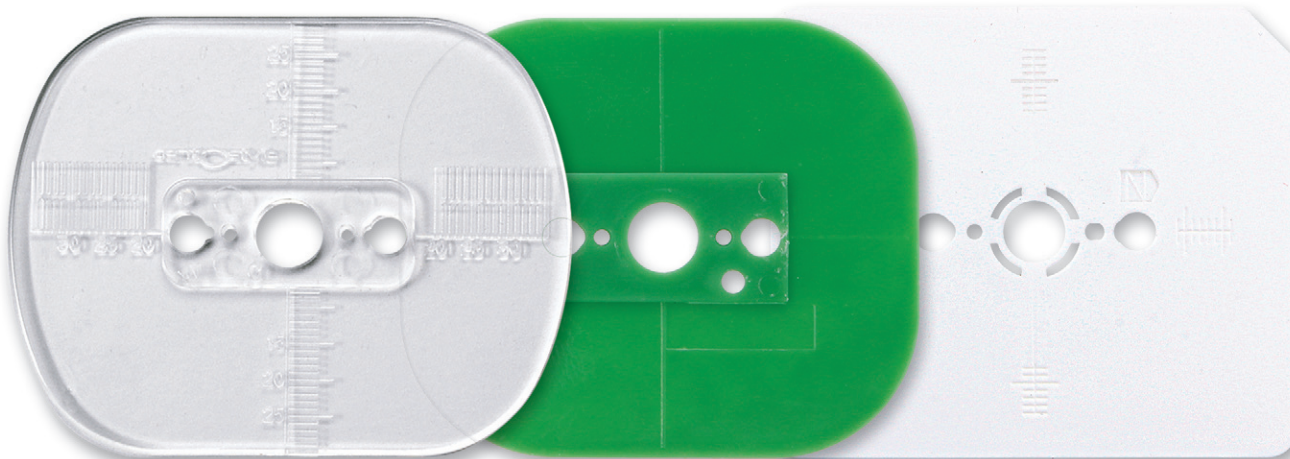
For N edgers - 0,9 mm

For N edgers - 0,9 mm

FORMERS - NO FOAM - SCISSOR - STICKS

5.4

To be shaped with punch, miller cutter or scissors



Ref. 07400
Trasparent - Shape with punch
cutter or scissors.
Dim.: 75x60x1.5 mm - 250 pcs.

Ref. 07411
Green - Shape with punch cutter
or scissors.
Dim.: 70x60x2.0 mm - 250 pcs.

Ref. 07421
White - Shape with
miller cutter.
Dim.: 70x60x2.5 mm - 250 pcs.



Ref. 03782
Scissor for easy pattern cutting

Ref. 06852
A broad spectrum powder
defoamer, BPI NO FOAM™
controls foam build up in
glass and plastic surfacing
and edging operations.
Long lasting and readily
dispersable, NO FOAM™ is
an economical solution to
ophthalmic foaming
problems.
Dilute one bottle
into 20 litres of water.
60 gr



Cleaning and dressing diamond sticks



Ref. 07300
Coarse 120G
Dim.: 150x24 mm
6 pcs.

5.5 WATER MAKE UP LENS

Multicolour edge customising: an exclusive service!

Ref. 07231
Grey col. 5330



Ref. 07232
Black col. 4



Ref. 07233
Dark Brown col. 5340



Ref. 07234
Dark Green col. 5332



Ref. 07235
Bordeaux col. 5333



Ref. 07236
Turquoise col. 5341



LENS MAKE UP is a special felt pen to decorate:

- The lens edge of rimless and supra glasses. Suitable for CR39, crystal, polycarbonate and acrylic lenses.
- Each pen can colour up to 300-500 lens pairs.
- Available in 6 classic colours.



WATER MAKE UP FRAMES

5.5

Water felt pens to retouch frames - Multicolour metallic paints

FRAME MAKE UP is a special felt pen to:

- Colour frames
- Colour screws, pad arms or other parts
- Retouch scraped parts
- Retouch sweat-eaten temples.



Ref. 07209 Clear Shiny 001



Ref. 07210 Yellow Gold 003



Ref. 07211 White 7364



MAKE UP FRAME KIT
Ref. 07200
 Full assortment of 12 pens.



INSTRUCTIONS

- Clean thoroughly the part to be repaired.
- Shake felt pen very well before use.
- Press felt and apply colour onto the frame.
- Allow to air dry for 15 minutes.
- Warm in frame heater to speed up drying.



5.5 TOUCH-UP BRUSHES

For customising your frames, contents 12 ml.

METALLIC



Ref. 07110
Metallic Silver



Ref. 07111
Metallic Gold



Ref. 07121
Metallic Blue

NEW



Ref. 07120
Metallic Gun Metal

NEW

CLASSIC



Ref. 07100
Shiny Black



Ref. 07104
Matt Black



Ref. 07106
Brown



Ref. 07109
Blue



Ref. 07112
Fire red



Ref. 07116
Clear

NEW



Ref. 07117
White

TOUCH-UP BRUSH KIT

Ref. 07118

Set of 12 lacquers.
(Ref. 07100 Shiny Black - 2 pcs.)

INSTRUCTIONS

- Shake well before use.
- Apply an even layer of lacquer with the cap brush.
- Wait a few minutes until it dries.
- To obtain tortoise effect, brush again irregularly.



POLISHING COMPOUNDS

5.6

For polishing and glossing of metal and plastic

HARD POLISHING - MATT FINISH FOR ACETATE FRAMES - METAL FRAMES - LENSES



Ref. 05280
Sand compound - 300 g
For acetate frames



Ref. 05285
White compound - 300 g
For white metal frames
and CR39 lens edges

FINE POLISHING AND GLOSSING FOR ACETATE FRAMES - METAL FRAMES - LENSES



Ref. 05282
White compound - 250 g
For acetate frames
and glass lens edges



Ref. 05286
Green compound - 300 g
For white metal frames



Ref. 05289
Yellow compound - 250 g
For gold metal frames

LENS EDGE POLISHING AND GLOSSING



Ref. 05291
Ivory compound - 300 g
For polycarbonate lenses.

INSTRUCTIONS

- Apply polishing compound in a thin even layer to mop. Repeat frequently.
- Slightly increase pressure when processing glass lenses.
- After polishing wipe off compound residuals with a soft cloth.
- Clean frame in ultrasonic bath.



5.6 POLISHING WHEELS AND COMPOUNDS FOR FRAMES

For polishing and glossing metal and plastic frames

■ ACETATE FRAMES

Ref. 01880

SET OF WHEELS AND COMPOUNDS FOR ACETATE FRAMES

Wheels: Ref. 05200, 05205, 05225

Compounds: Ref. 05280, 05282.

Tray included, suitable for new LMS Cube.



■ FOR WHITE OR GUN METAL FRAMES

Ref. 01882

SET OF WHEELS AND COMPOUNDS FOR WHITE OR GUN METAL FRAMES

Wheels: Ref. 05200, 05205, 05225

Compounds: Ref. 05285, 05286.

Tray included, suitable for new LMS Cube.



■ GOLD METAL FRAMES

Ref. 01884

SET OF WHEELS AND COMPOUNDS FOR GOLD METAL FRAMES

Wheels: Ref. 05200, 05205, 05225

Compounds: Ref. 05289.

Tray included, suitable for new LMS Cube.



■ CLEANING AND DE-SCALING BRUSHES

Ref. 05235

Brass wire

Ø 90 mm — 8 mm

Bore Ø 6.5 mm



■ POLISHING MOPS

Ref. 05205

Cotton

Ø 120 mm — 10 mm

Bore Ø 8 mm



Ref. 05220

Cotton

Ø 100 mm — 6 mm

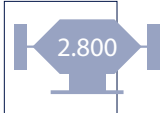
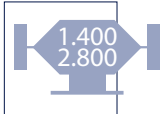
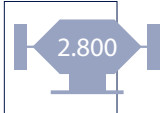
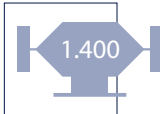
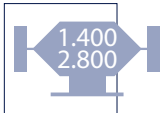
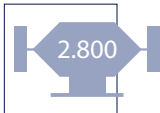
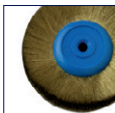
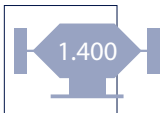
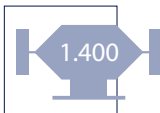
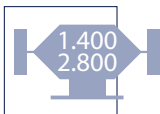
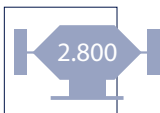
Tapered bore from Ø 8 a 6.5 mm



POLISHING STEPS

5.6

Technical advice

	Wheels		Compounds		rpm
POLISHING Apply gentle pressure to avoid overheating.		Ref. 05205 Ref. 05220 Cotton		Ref. 05280 Sand	
FINE POLISHING Apply gentle pressure to avoid overheating. Use a thin layer of compound frequently.		Ref. 05200 Flannel		Ref. 05282 White	
GLOSSING Apply gentle pressure to avoid overheating. After glossing always wipe off compound residue with a soft cloth. Clean in ultrasonic bath.		Ref. 05225 Soft cotton		Ref. 05282 White	
POLISHING Apply gentle pressure to avoid overheating.		Ref. 05205 Ref. 05220 Cotton		Ref. 05285 White	
FINE POLISHING Apply gentle pressure to avoid overheating. Use a thin layer of compound regularly.		Ref. 05200 Flannel		Ref. 05286 Green	
GLOSSING Apply gentle pressure to avoid overheating. After glossing always wipe off compound residue with a soft cloth. Clean in ultrasonic bath.		Ref. 05225 Soft cotton		Ref. 05286 Green	
HARD POLISHING Apply gentle pressure to avoid overheating.		Ref. 05235 Brass wire		No compound required	
POLISHING Apply gentle pressure to avoid overheating.		Ref. 05205 Ref. 05220 Cotton		Ref. 05289 Yellow	
FINE POLISHING Apply gentle pressure to avoid overheating. Use a thin layer of compound regularly.		Ref. 05200 Flannel		Ref. 05289 Yellow	
GLOSSING Apply gentle pressure to avoid overheating. After glossing always wipe off compound residue with a soft cloth. Clean in ultrasonic bath.		Ref. 05225 Soft cotton		Ref. 05289 Yellow	

■ FINE POLISHING MOPS

Ref. 05200

Flannel

Ø 120 mm → 110 mm

Bore Ø 8 mm

■ GLOSSING MOP

Ref. 05225

Soft cotton

Ø 100 mm → 35 mm

 Tapered bore from
Ø 9 to 6.5 mm

 Reinforced
wooden
centre

5.6 POLISHING WHEELS AND COMPOUNDS FOR LENSES

For polishing and glossing CR39, polycarbonate or glass lenses

CR39 LENSES

POLYCARBONATE LENSES

Ref. 01886
 SET OF WHEELS AND COMPOUNDS
 FOR CR39 AND POLYCARBONATE LENSES
 Wheels: Ref. 05225, 05226, 05228
 Compounds: Ref. 05282, 05285, 05291.

Tray included, suitable for new LMS Cube.



GLASS LENSES

CR39 AND POLYCARBONATE LENS POLISHING

Ref. 05226
 Hard felt for flat edge
 polishing.
 Ø 100 mm 20 mm
 Bore Ø 6 mm



Ref. 05228
 Hard felt, for bevel and flat
 edge polishing.
 Ø 70 mm 20 mm
 Bore Ø 6 mm



POLISHING STEPS

5.6

Technical advice

POLISHING

Apply gentle pressure to avoid overheating.
Use a thin layer of compound.
Apply frequently.

GLOSSING

Apply gentle pressure to avoid overheating.
After glossing, always wipe off compound residue with a cloth.
Clean in ultrasonic bath.

POLISHING

Apply gentle pressure to avoid overheating.
Use a thin layer of compound.
Apply frequently.

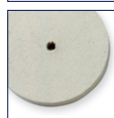
GLOSSING

Apply gentle pressure to avoid overheating.
After glossing, always wipe off compound residue with a cloth.
Clean in ultrasonic bath.

POLISHING

Apply slightly more pressure, keep lens turning.
After polishing always wipe off compound residue with a cloth.
Clean in ultrasonic bath.

Wheels



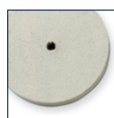
Ref. 05226
Hard felt



Ref. 05228
Hard felt with groove



Ref. 05225
Soft cotton



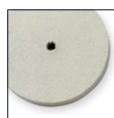
Ref. 05226
Hard felt



Ref. 05228
Hard felt with groove



Ref. 05225
Soft cotton



Ref. 05226
Hard felt



Ref. 05228
Hard felt with groove

Compounds



Ref. 05285
White



Ref. 05285
White



Ref. 05282
White



Ref. 05291
Ivory



Ref. 05291
Ivory



Ref. 05282
White

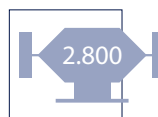
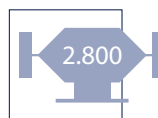
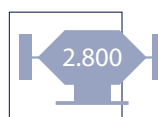
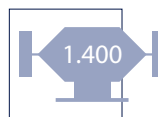
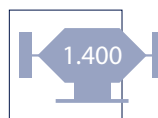
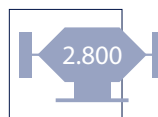
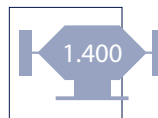
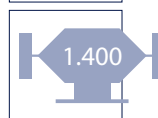


Ref. 05282
White



Ref. 05282
White

rpm



■ FOR COMPACT GLOSSING WITH COMPOUND

Ref. 05225

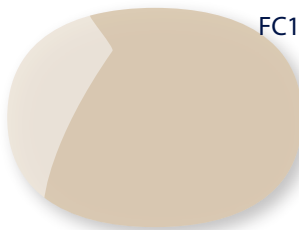
Soft cotton
Ø 100 mm → 35 mm
Tapered bore from Ø 9 to 6.5 mm
Reinforced wooden centre



5.7 WATER-SOLUBLE DYEING POWDERS

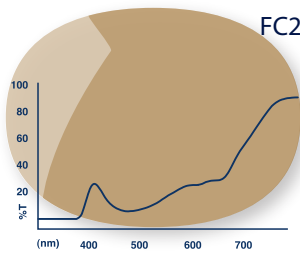
Biodegradable - For CR39 - High index - Polycarbonate - 10 g sachets

25% ⌚ 1÷2'

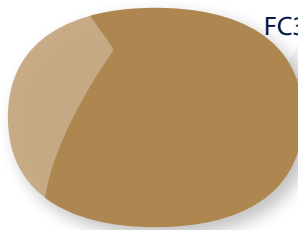


BROWN 1 Ref. 06830

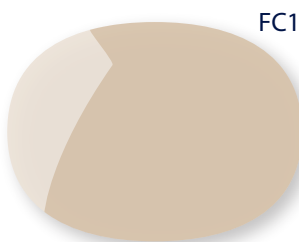
50% ⌚ 5÷7'



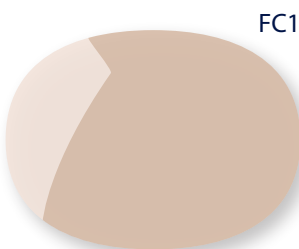
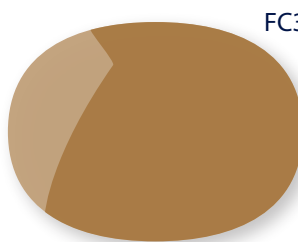
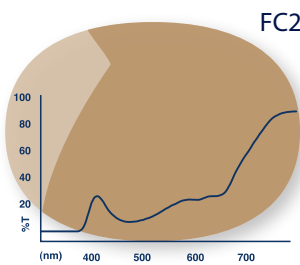
75% ⌚ 9÷13'



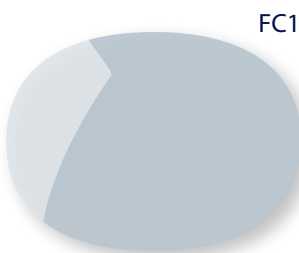
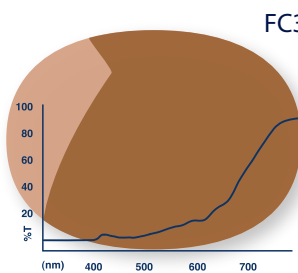
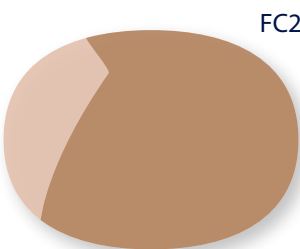
90% ⌚ 15÷25'



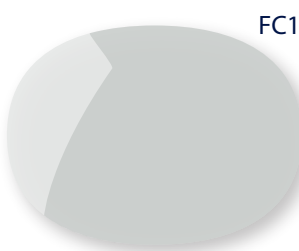
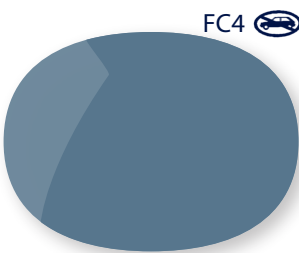
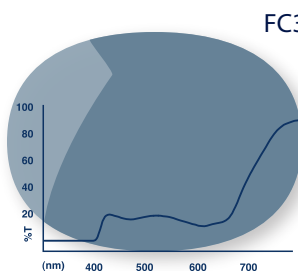
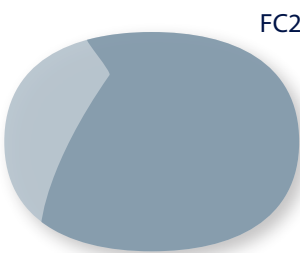
BROWN 2 Ref. 06832



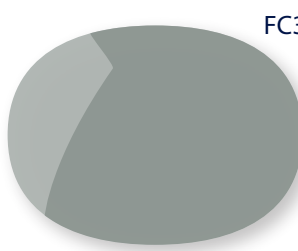
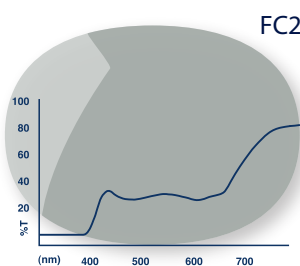
BROWN SMOKE Ref. 06833 NEW



GREY 1 Ref. 06838



GREY 2 Ref. 06840



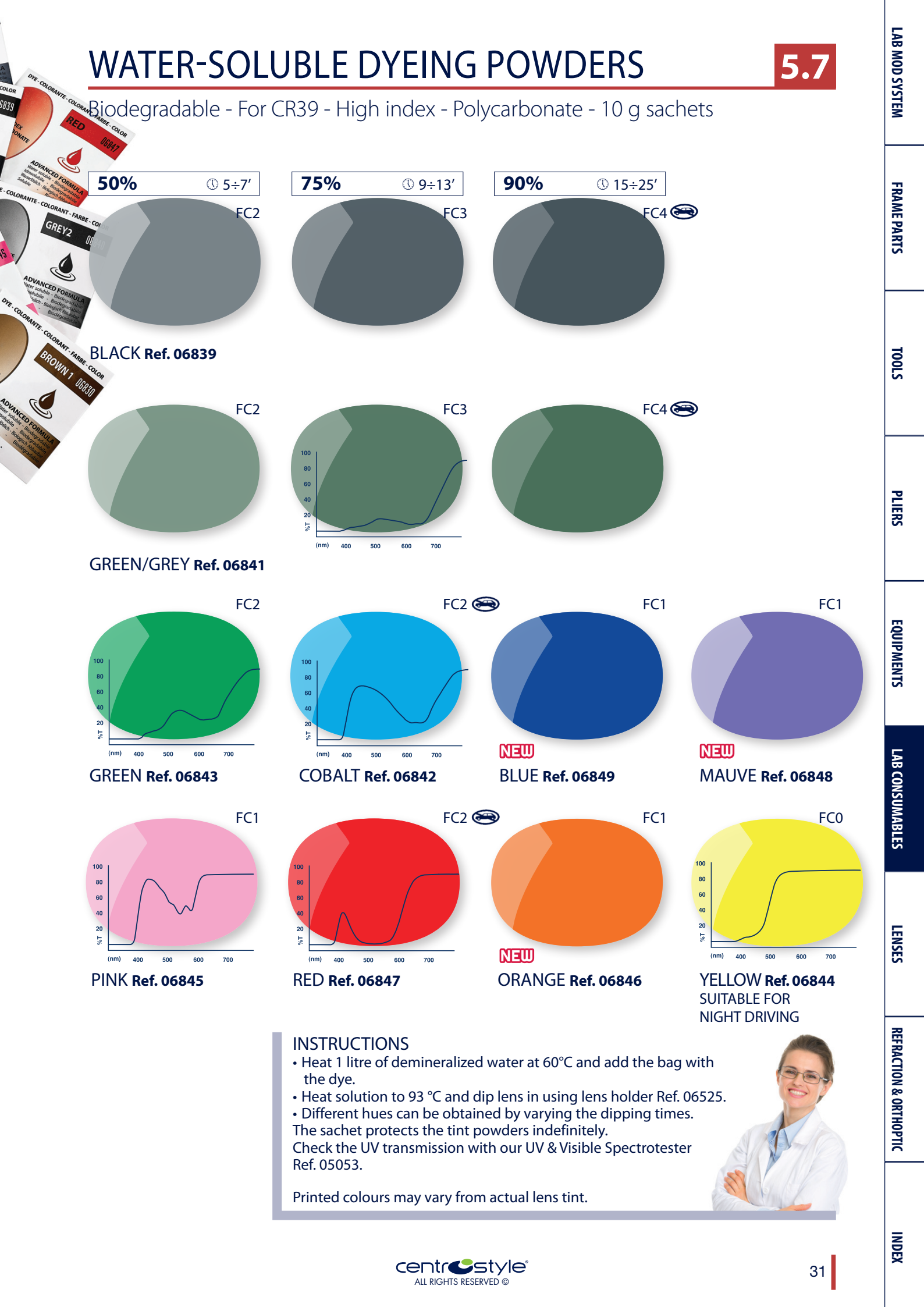
⚠ NOT SUITABLE FOR DRIVING. SIGNAL LIGHT COLOURS ARE NOT ALWAYS DISTINGUISHABLE.



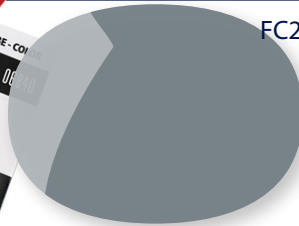
WATER-SOLUBLE DYEING POWDERS

5.7

Biodegradable - For CR39 - High index - Polycarbonate - 10 g sachets

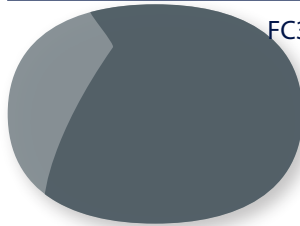


50% 5÷7'

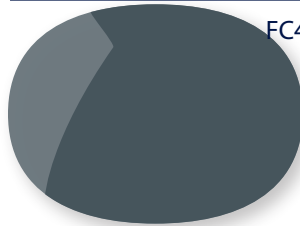


BLACK Ref. 06839

75% 9÷13'



90% 15÷25'

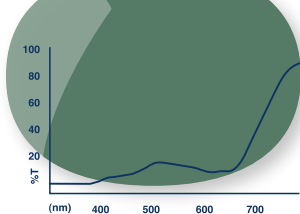


FC2



GREEN/GREY Ref. 06841

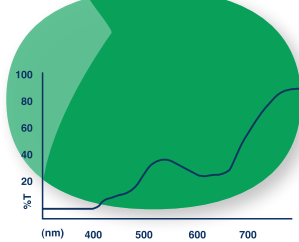
FC3



FC4

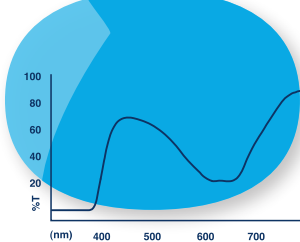


FC2



GREEN Ref. 06843

FC2



COBALT Ref. 06842

FC1



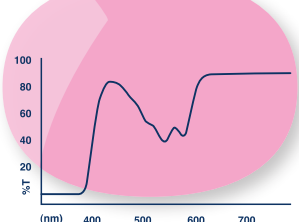
NEW BLUE Ref. 06849

FC1



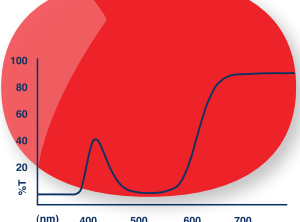
NEW MAUVE Ref. 06848

FC1



PINK Ref. 06845

FC2



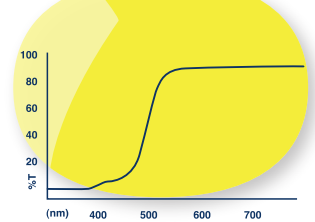
RED Ref. 06847

FC1



NEW ORANGE Ref. 06846

FC0



YELLOW Ref. 06844
SUITABLE FOR
NIGHT DRIVING

INSTRUCTIONS

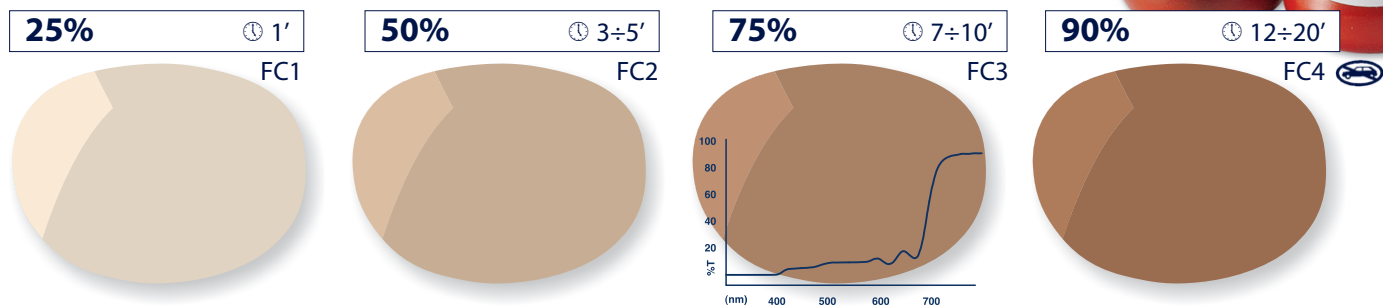
- Heat 1 litre of demineralized water at 60°C and add the bag with the dye.
 - Heat solution to 93 °C and dip lens in using lens holder Ref. 06525.
 - Different hues can be obtained by varying the dipping times.
- The sachet protects the tint powders indefinitely.
Check the UV transmission with our UV & Visible Spectrotester Ref. 05053.

Printed colours may vary from actual lens tint.

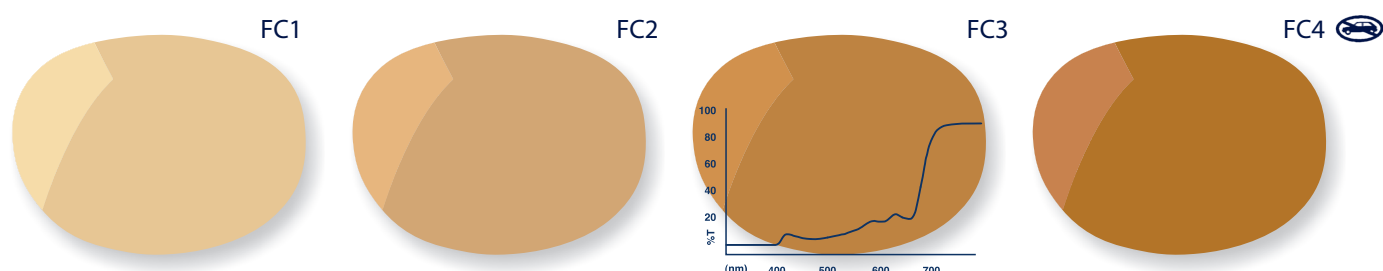


5.7 BPI LIQUID DYES FOR LENSES

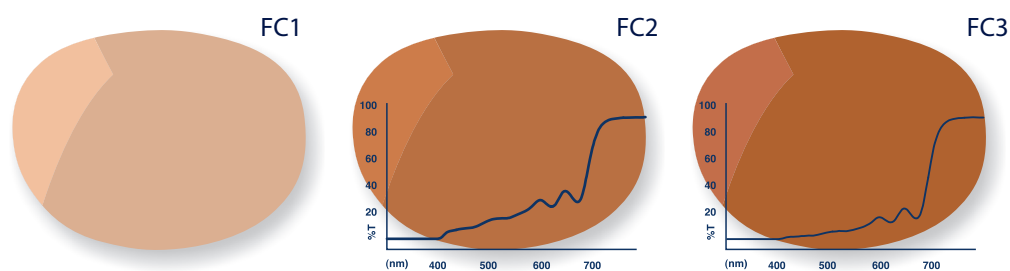
Molecular catalytic dyes™ for CR39 - 88 ml



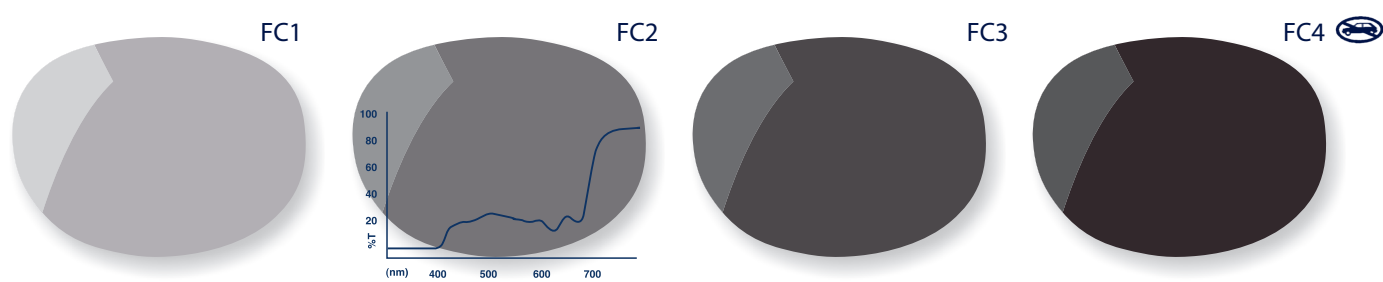
SWISS CHOCOLATE Ref. 06861



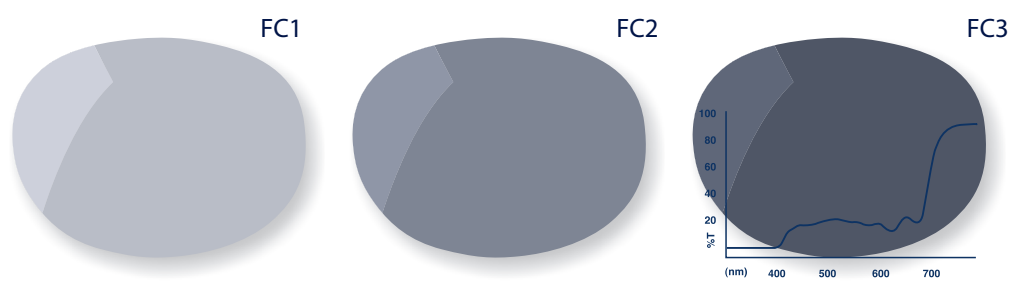
BROWN ZS Ref. 06863



BROWN C Ref. 06864



BLACK Ref. 06870 | Ref. 06871 1 Liter Bottle



SUN GREY Ref. 06872

The dye molecules bond to the chemical structure of the lens and become part of it. Colours are more stable and the colouring time is faster.
Mix 88 ml of dye with 1 litre of distilled water.
Printed colours may vary from actual lens tint.

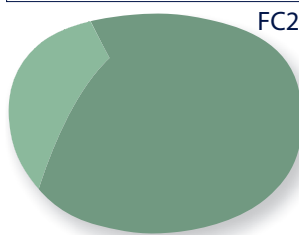
NOT SUITABLE FOR DRIVING. SIGNAL LIGHT COLOURS ARE NOT ALWAYS DISTINGUISHABLE.

BPI LIQUID DYES FOR LENSES

Molecular catalytic dyes™ per CR39 - 88 ml

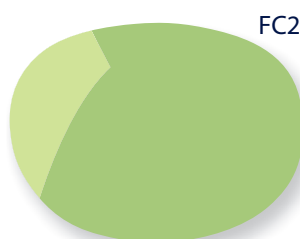
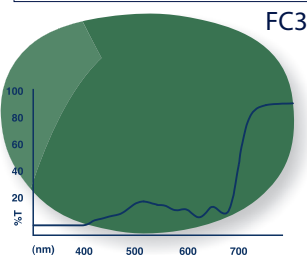
5.7

50% ⌚ 3÷5'



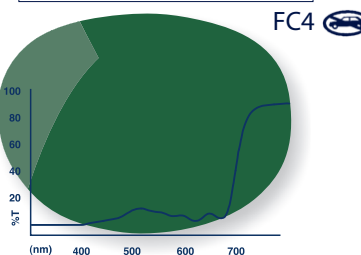
GREEN/GREY Ref. 06883

75% ⌚ 7÷10'



GREEN Ref. 06880

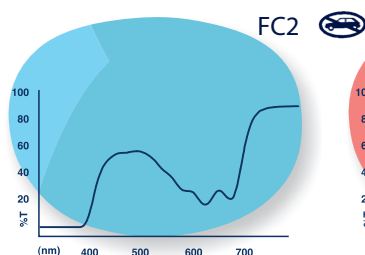
90% ⌚ 12÷20'



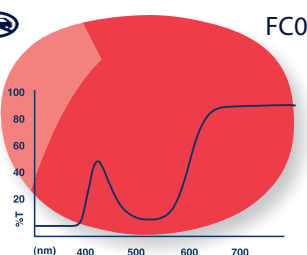
INSTRUCTIONS FOR USE

- Dissolve the contents of one bottle into 1 litre of distilled water at 60°C.
- Heat solution to 93°C and dip lens in.
- Different hues can be obtained by varying the dipping times.
- Check the UV transmission with our UV & Visible Spectrotester Ref. 05053.

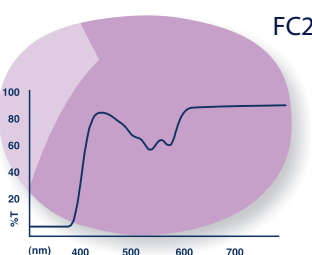
Printed colours may vary from actual lens tint.



BLUE Ref. 06885



RED Ref. 06890



VIOLET Ref. 06892

Clear CR39 lenses for tinting

■ Base **B 6** | Ø 73 mm | UV360 | Cat. 0
12 pcs.

Ref. 06660
→(← 1,8 mm

Ref. 06665
→(← 2,2 mm

Ref. 06664
→(← 2,9 mm

■ Base **B 8** | Ø 76 mm | UV360 | Cat. 0
12 pcs.

Ref. 06668
→(← 1,8 mm

Ref. 06675
→(← 2,2 mm



5.7 NEUTRALIZER SOLUTION

Neutralizer solutions for CR39

NEUTRALIZER SOLUTION FOR CR39

Ref. 06850

Removes dye from organic lenses.
Non flammable.

1 litre bottle of concentrated solution.



INSTRUCTIONS

- Dilute with distilled water, ratio 1:20.
- Heat to 90°C.
- Dip the lens until the required decolouring grade has been achieved.

CHEMICALS

5.7

UV Diamond Dye 400 XL - Heating Fluid



■ UV DIAMOND DYE 400 XL

Ref. 06945

- Absorbs up to 99% of UV light under 400 nm.
 - Increases scratch resistance.
- Lens will not turn yellow and no oven required.

Bottle 450 ml

INSTRUCTIONS

UV treatment must be applied before tinting.

- Mix equal parts with distilled water.
- Heat to 92°C-95°C in a clean container
- Clean the lens before treatment.
- Using a clean lens holder, immerse the lens for 10-15 min.

Immersion time varies according to the thickness of the lens.



NEW ■ HEATING FLUID

Ref. 06851

Heating fluid to be used with plastic lens coloring equipments, formulated to maintain a high level of heat when coloring plastic lenses. High entropy.

1000 ml Bottle ready for use

INSTRUCTIONS

Make sure that the strength of the machine has been properly cleaned and dried so that the GL 77 is not contaminated.

Pour the GL-77 into the appliance to colour and fill it up to the middle, making sure to cover the resistance when all the tanks are in place. Check the level monthly and top up if necessary. If contaminated replace it completely.

The equipment must be turned off and the resistance must cool down before adding GL-77. Do not mix GL-77 with water or other solutions. GL-77 is not toxic and is not flammable when used as directed.

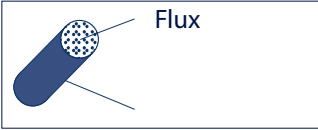
Do not exceed 300°F.

5.8 SOLDERING WIRE AND CONSUMABLES

SOLDER RODS

Solder and flux combined for ready use.
Ideal for nickel-silver, monel and stainless steel metal.

CADMIUM FREE

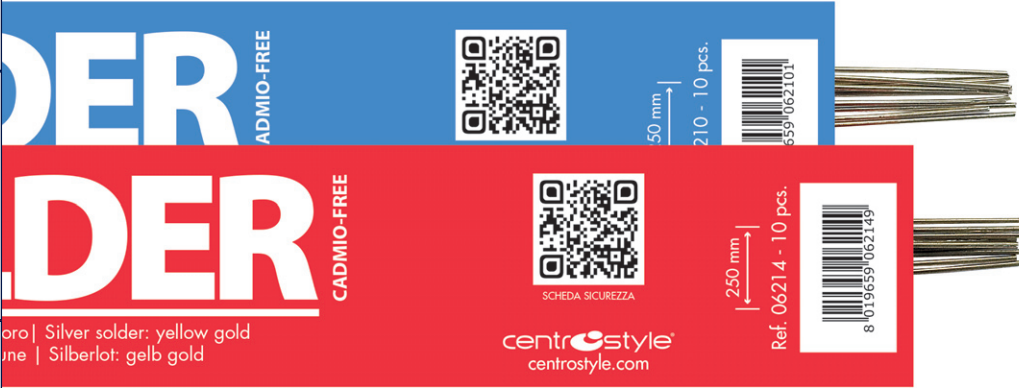


Ref. 06210

Soft yellow solder.
Melting range: 655°C - 680°C
Pack of 10 rods - 250 mm each
Ø 1,15 mm

Ref. 06214

Yellow gold solder.
Melting range: 605°C - 635°C
Pack of 10 rods - 250 mm each
Ø 1,15 mm



SOLDER WIRE

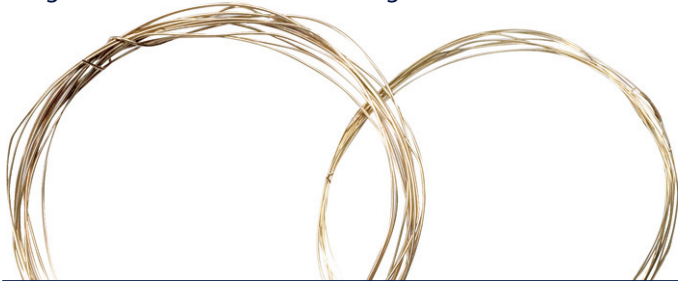
All-purpose soldering wire in silver alloy (40%).
Easy flowing, suitable for nickel silver and monel metal.
Melting range: 610°C - 650°C.
To be used together with borax flux (Ref. 06208).

Ref. 06200

Solder wire Ø 0.5 mm.
Length: 2.5 m.

Ref. 06202

Solder wire Ø 0.3 mm.
Length: 2.5 m.



BORAX

Promotes quick and easy
flow of solder between
the surfaces being soldered.
Melting range:
500°C - 700°C.

Ref. 06208

Borax flux powder to
be mixed with hot
distilled water to
make a paste.
100 g



SOLDERING CONSUMABLES

ISOFLAM

Ref. 06221

Heat shielding paste. It will protect the non-soldered
area by dissipating heat for temperatures up to
3,000°C (5,432°F).

It isolates parts close to the soldering point and
reduces the risk of damage to plastic and painted
parts. It does not stain and washes off in water.
50 g



SOLDERING AND PLATING CONSUMABLES

5.8

CONSUMABLES FOR MINIFLAM

GAS FOR MINIFLAM

Ref. 06108

Butane gas.
400 ml bottle.



CONSUMABLES FOR SOLDERING UNITS

Ref. 06020

Caustic solution
Electrolyte
0.5 litre - 2 pcs.

Ref. 06022

Boric acid solution - flux 0.5 litre

FOR AIRFREIGHT DELIVERIES

Ref. 06055

Boric acid in grains
25 g



PLATING SOLUTIONS

Ref. 06411

Gold plating solution
50 ml

Ref. 06415

Palladium plating solution
50 ml

Ref. 06423

- Clamp electrode
- Brush electrode



5.8 SOLDERING STEPS



■ PREPARATION

- Always wear safety glasses.
- First, remove any parts that will be affected by heat, e.g. pads, rim cover, temple tips.
- Before heating, it may be necessary to apply a large amount of protective heat shield paste ISOFLAM (Ref. 06221) over those parts that are close to the area being heated.
- Next, remove broken part by heating the area until it becomes detached. Use tweezers Ref. 03730 to help.



■ POLISHING

- Always prepare the surfaces to be soldered first by using the rubber abrasion wheels (Ref. 02444 - Ref. 02447).
- A clean, smooth surface ensures a good result.
- Alternatively use a file.



■ PROTECTION OF THE PARTS CLOSE TO THE SOLDERING POINT

- Apply ISOFLAM protection paste (Ref. 06221) around the soldering point and on any components (nose pads, enamelled parts, etc.).
- After soldering, the paste can be recovered and reused by adding a few drops of distilled water.



■ POSITIONING OF THE FRAME

- Place the frame on the soldering table (Ref. 06195) to give easy access to the part being soldered.
- The clamps should be kept away from the soldering area to avoid overheating.
- Rest your elbows to support the hands.
- The parts to be soldered should not be close to the table top.



■ PLANNING THE SOLDER

- If you are not using SOLDER rods (Ref. 06210-6214), prepare the solder wire (Ref. 06200-06202) in advance by wetting it and dipping it in borax flux powder (Ref. 06208).
- Always heat first the thicker surface as it reaches the melting point in longer time by absorbing more heat.
- Dip the soldered part in water.
- Use protective goggles during all soldering steps.

SOLDERING STEPS

5.8

Use of the different solder alloys



FRONT HINGE PLATE

The part connecting the temple hinge to the eye wire rim is subject to great stress. Having a large supporting surface it is recommended to use the solder rods Ref. 06210 - Ref. 06214, or the 0.5 mm solder wire Ref. 06200.

RIM CLOSING BLOCK

When soldering the closing block to the rim, as the surface area is quite small, it is recommended that a small amount of solder is carefully placed. Recommend 0.3 mm w i r e Ref. 06202.

HINGES

Part of the frame that allows the temple to pivot. Recommended to use the solder rods Ref. 06210 and Ref. 06214, or the 0.5 mm solder wire Ref. 06200.



POLISHING

After de-scaling remove and smooth residues of solder with rubber abrasion wheels (Ref. 02444 -Ref. 02447).

Alternatively, use the brass (Ref. 02421) or steel brushes (Ref. 02422).

Next polish with silicone wheels (Ref. 02442) or hard felt brushes (Ref. 02429).



CLEANING

For best results clean the frame with an ultrasonic cleaner using concentrated detergent for ultrasonic cleaners, not to damage the frames and any type of lenses.

High cleaning capacity enhanced by the mechanical action of the ultrasonic cleaner.



FINISHING

To touch-up soldered parts use these coloured lacquers. Ideal for individualising or personalising frame parts.

ACTIVE LIQUID

WITH ANTIBACTERIAL PROPERTIES

Thanks to its active enzymes, this detergent can also be used without ultrasonic cleaner, just with lukewarm water. Its antibacterial properties sanitize the spectacles.

Ref. 06859 1litre bottle

Add one/two cupfuls of detergent to 1 litre of water. 100% NO ALCOHOL

TOUCH-UP BRUSH KIT

Ref. 07100 - 07104 - 07106 - 07109 - 07110 - 07111 - 07112 - 07116 - 07117 - 07120 - 07121.

Ref. 07118

Set of 12 lacquers.

(Ref. 07100 Shiny Black - 2 pcs.)