



Techniques Chimiques Nouvelles

A Colorful World

## DECORATIVE FINISHES

Cellulose acetate,  
eyewear & high-end  
applications



# TABLE OF CONTENTS

## 01 TCN 06

|              |    |
|--------------|----|
| Presentation | 08 |
| Our values   | 09 |

## 02 DECORATIVE FINISHES 10

|                                                  |    |
|--------------------------------------------------|----|
| Process overview                                 | 12 |
| Your benefits                                    | 13 |
| Finishing solutions for cellulose acetate frames | 14 |

## 03 RESINS 16

|                                       |    |
|---------------------------------------|----|
| Resins                                | 18 |
| Presentation                          | 18 |
| Process                               | 18 |
| Benefits                              | 19 |
| RD3 epoxy resin & ECO RD3 epoxy resin | 20 |
| Properties                            | 20 |
| Applications                          | 21 |
| Related products                      | 21 |

## 04 RESIN MASS COLORATION 22

|                            |    |
|----------------------------|----|
| NANV Liquid dyes           | 24 |
| Presentation               | 24 |
| Color chart                | 24 |
| PPE pigment paste          | 25 |
| Presentation               | 25 |
| Color chart                | 25 |
| Typical use for NANV & PPE | 25 |
| Properties for NANV & PPE  | 25 |

## 05 VARNISHES 26

|                                                 |    |
|-------------------------------------------------|----|
| VNL tinted varnishes                            | 28 |
| Presentation                                    | 28 |
| Process                                         | 28 |
| Applications                                    | 29 |
| Color Chart                                     | 29 |
| Related products : Clear VNL & 8410 VNL Cleaner | 29 |
| PROOF AM 9267                                   | 30 |
| Presentation                                    | 30 |
| Technical characteristics                       | 30 |
| Applications                                    | 31 |

## 06 ACETATE GLUES 32

|                |    |
|----------------|----|
| Acetate Glues  | 34 |
| Presentation   | 34 |
| Applications   | 34 |
| 6948 Cold Glue | 35 |
| Process        | 35 |
| 6635C Hot Glue | 35 |
| Process        | 35 |

## 07 LIQUIWAX 36

|              |    |
|--------------|----|
| Liquywax     | 38 |
| Presentation | 38 |
| Process      | 38 |
| Applications | 39 |
| Color Chart  | 39 |

## 08 OUR SERVICES 40

## 09 FAQ 42

## Use according to end-use applications

### Decorative finishing applications

TCN decorative finishing solutions are designed for a **wide range of high-end applications**, with particular expertise in **cellulose acetate** and **eyewear**.

From decoration and colour effects to **bonding, impregnation and finishing**, our technologies serve eyewear, fashion accessories, additive manufacturing and other premium applications.

#### PRODUCTS

#### APPLICATIONS

|                                            | RD3 /<br>ECO RD3<br>Epoxy<br>resins | NANV /<br>PPE | VNL<br>Decorative<br>varnishes | PROOF<br>AM<br>9267 | 6948<br>Cold<br>Glue | 6635C<br>Hot<br>Glue | LIQUYWAX |
|--------------------------------------------|-------------------------------------|---------------|--------------------------------|---------------------|----------------------|----------------------|----------|
| Eyewear<br>& acetate<br>accessories        | ✓                                   | ✓             | ✓                              | ✓                   | ✓                    | ✓                    |          |
| Jewelry & high-<br>end accessories         | ✓                                   | ✓             | ✓                              |                     |                      |                      |          |
| Fashion & hair<br>accessories              | ✓                                   | ✓             | ✓                              |                     | ✓                    | ✓                    |          |
| Additive<br>manufacturing                  |                                     |               | ✓                              | ✓                   |                      |                      |          |
| Decorative<br>& custom<br>creations        | ✓                                   | ✓             | ✓                              |                     |                      |                      |          |
| Small molded<br>parts &<br>inclusions      | ✓                                   | ✓             |                                |                     |                      |                      |          |
| Engraving,<br>marking &<br>personalization | ✓                                   | ✓             | ✓                              |                     |                      |                      |          |
| Candles                                    |                                     |               |                                |                     |                      |                      | ✓        |



# TCN

# 01

Presentation  
Our values

8  
9

## Presentation

Designer of dyeing preparations, polishing pastes and decorative finishing solutions

**+ 60 years of expertise !**

Techniques Chimiques Nouvelles (TCN) designs and manufactures dyeing preparations, polishing pastes and decorative finishing solutions for many industrial sectors.

TCN offers a complete range of **decorative finishing** solutions for **eyewear**, **cellulose acetate** and **high-end applications**, including **resins**, **colourants**, **varnishes**, **impregnation solutions** and **adhesives**.

With its recognized expertise, **TCN relies on French know-how exported internationally**. Our customers, who come from a variety of backgrounds, appreciate the ease of use and technical quality of our products as well as the flexibility of our support.

More than just a supplier, **TCN is a technical partner** that listens to your specific needs and the particularities of your business. We develop tailor-made formulations, combining performance, safety and respect for the environment, to meet the industrial challenges of today and tomorrow.



ISO 9001:2015  
ISO 14001:2015  
Management  
System  
www.tuv.com  
ID: 9000027132



## Our values

With its recognized expertise, TCN relies on French know-how exported internationally. Our customers, who come from a variety of backgrounds, appreciate the ease of use and technical quality of our products as well as the flexibility of our support.

As a major player in the chemical industry, our CSR policy is increasingly strong and factual.

We integrate social, societal, environmental and economic issues throughout our activities.



# DECORATIVE

# FINISHES



# 02

|                                                  |    |
|--------------------------------------------------|----|
| Process overview                                 | 12 |
| Your benefits                                    | 13 |
| Finishing solutions for cellulose acetate frames | 14 |

# DECORATIVE FINISHES

02

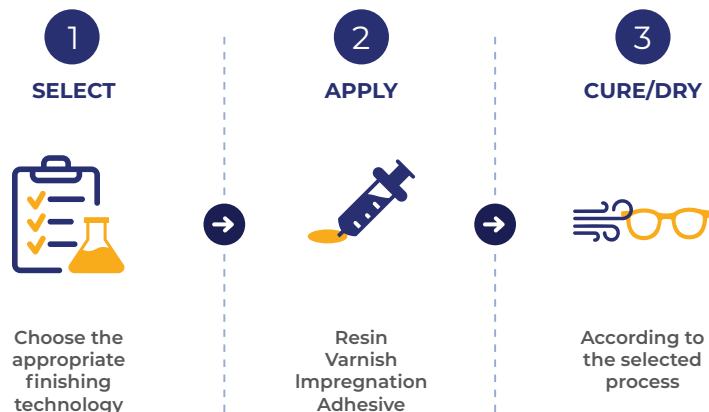
## Process Overview

### Decorative finishing: A complete know-how!

TCN offers a complete range of decorative finishing solutions designed to **enhance, protect, color and assemble** high-value components across a wide variety of materials and industrial applications.

Depending on the desired result, the process may involve **epoxy resin filling, surface varnishing, impregnation and sealing of porous parts, or bonding of cellulose acetate components**.

Each technology can be used independently or integrated into a complete finishing workflow. Product selection and process parameters are adapted according to the substrate, part geometry, aesthetic requirements and production environment.



#### DATA FOR INFORMATION PURPOSES ONLY

From prototyping and handcrafted pieces to serial production, TCN supports manufacturers in defining the most appropriate finishing solution.

## Your benefits

### COMPLETE SOLUTION RANGE



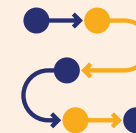
Resins, colorants, pigments, varnishes and adhesives for a wide range of decorative finishing applications.

### VERSATILE APPLICATIONS



Solutions for eyewear, cellulose acetate, high-end accessories, additive manufacturing and other industrial applications.

### PROCESS FLEXIBILITY



Solutions suitable for different decorative techniques, materials and production requirements.

### CUSTOMISATION



Standard colours and solutions, with custom development available for specific applications.

### TECHNICAL SUPPORT



Support in product selection, application trials and process implementation.

### FRENCH MANUFACTURING



Products developed and manufactured by TCN in France.

## Finishing solutions for cellulose acetate frames

### NANV transparent dyes (P.24)

For transparent coloration of epoxy resins, decorative colour effects and creative full-rim solutions.



### VNL decorative paint (P.28)

For enhancing engravings and creating decorative details on cellulose acetate frames.



### RD3 / ECO RD3 epoxy resin (P.20)

For logo inclusion in resin on temples / cold enamelling.



### 6948 cold glue (P.35)

For bonding acetate nose pads and small acetate parts.



### 6635C hot glue (P.35)

For bonding and laminating cellulose acetate sheets.



### PPE opaque pigment pastes (P.25)

For opaque coloration of epoxy resins, decorative details and creative colour accents.



# RESINS

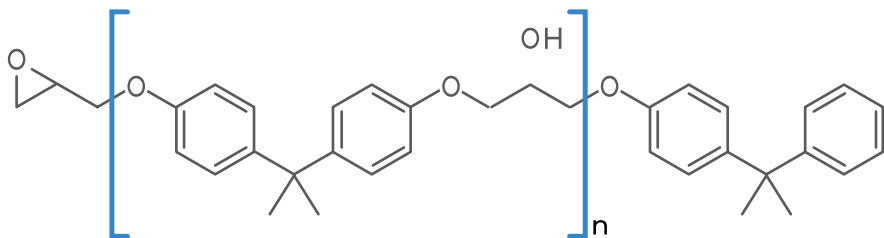


03

|                                                  |           |
|--------------------------------------------------|-----------|
| <b>Resins</b>                                    | <b>18</b> |
| Presentation                                     | 18        |
| Process                                          | 18        |
| Benefits                                         | 19        |
| <b>RD3 epoxy resin &amp; ECO RD3 epoxy resin</b> | <b>20</b> |
| Properties                                       | 20        |
| Applications                                     | 21        |
| Related products                                 | 21        |

## Presentation

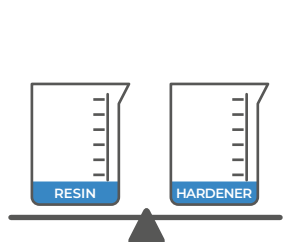
Epoxy systems are high-performance two-component thermosetting polymers combining excellent adhesion, mechanical strength and chemical resistance. Curing at room temperature through the reaction of resin and hardener, they form a durable cross-linked structure. Particularly suited to cellulose acetate eyewear, they enable logo inclusion, cold enamelling and precise decorative filling with a high-quality finish.



### Health and safety :

Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
POLYAMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine)  
See safety data sheet

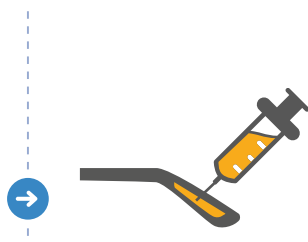
## Process



Weigh the resin and hardener according to the stoichiometric ratio.  
Mix the two parts vigorously until a homogeneous mixture is obtained.  
Let it degas.



Add colorant or pigment if necessary for a transparent or opaque coloration.



Prepare the substrate and pour the mixture. Let it cure.

## Benefits

## TRANSPARENCY



Clear resin with no yellowing

## EASY DEGASSING



Special formulation designed to facilitate bubble release

## HIGH GLOSS



Easily polishable for a high-gloss finish

## HARD & FLEXIBLE



Combines hardness and flexibility

## EXCELLENT ADHESION

Excellent adhesion to cellulose acetate

## SOLVENT-FREE



Two-component epoxy resin  
formulated without solvent

## RD3 epoxy resin



### Packaging:

1 kit of 1kg: 690g R3 resin  
+ 310g D3 hardener

### Ratio:

100g resin R3  
+ 45g hardener D3

### Pot life after mixing (100g mass):

10h at 20°C

### Curing (6mm film):

- touch dry: 15h at 20°C
- through dry: 24h at 20°C
- or 10h at 40°C

## ECO RD3 epoxy resin



### Packaging:

1 kit of 1kg: 665g ECOR3 resin  
+ 335g D3CA hardener

### Ratio:

100g resin ECOR3  
+ 50g hardener D3\_CA

### Pot life after mixing (100g mass):

8h at 20°C

### Curing (6mm film):

- touch dry: 10h at 20°C
- through dry: 20h at 20°C
- or 8h at 40°C

### Properties

  
**Gardner index**  
<2

  
**Viscosity**  
at 23°C :650 mPa.s

  
**Hardness**  
78 Shore D

## Applications

**Eyewear**  
Logo inclusion & cold enamelling



**High-end buttons**



**Watchmaking & luxury accessories**



**Rhinestone setting**



**Resin jewellery**



**Small decorative parts**



## Related products

### 8496 Cleaner

For cleaning utensils before polymerization.



# RESIN

# MASS

# COLORATION

# 04

|                                       |           |
|---------------------------------------|-----------|
| <b>NANV Liquid dyes</b>               | <b>24</b> |
| Presentation                          | 24        |
| Color chart                           | 24        |
| <b>PPE pigment paste</b>              | <b>25</b> |
| Presentation                          | 25        |
| Color chart                           | 25        |
| <b>Typical use for NANV &amp; PPE</b> | <b>25</b> |
| <b>Properties for NANV &amp; PPE</b>  | <b>25</b> |

# RESIN MASS COLORATION

04

## NANV Liquid dyes

Transparent mass-coloring for resins

### Presentation

NANV liquid dyes are highly concentrated colorants developed for the transparent coloration of epoxy resins. They are easy to incorporate, provide bright and controlled shades, and preserve the visual transparency of the resin. Their high concentration allows low addition levels, while the standard colours can be mixed to create a wide range of custom shades for decorative applications.



#### Packaging:

Jerrycan of 125 mL, 1 L and 5 L

#### Key advantages:

- Easy to use
- High concentration
- Perfect dispersion
- Wide range of colors
- Compatible with various resins
- Good light resistance
- Non-hazardous and non flammable formulation

### Color chart



## PPE pigment paste

Opaque coloring for resins

### Presentation

PPE pigment pastes are highly concentrated colourants developed for the opaque coloration of epoxy resins. They are easy to incorporate and provide bright, homogeneous shades with good light resistance. The standard colours can be mixed together, allowing a wide range of customised opaque shades for decorative applications.



Packaging: Metal box of 500 g

#### Key advantages:

- Easy to incorporate
- Opaque finish
- Wide range of colors
- Maintains the mechanical properties of the resin
- Good light resistance
- No heavy metals
- Bright and stable

### Color chart



## Typical use for NANV & PPE

Epoxy resin coloration

Eyewear decorative details

Jewellery and high-end accessories

Buttons and small decorative parts

Custom decorative creations

### Properties for NANV & PPE

**Recommended dosage**  
3 to 10 % w/w on the ready mix for use.

**Storage**  
Over 2 years in tightly closed packaging, under usual storage conditions.

**Health and safety**  
Observe the measures of working hygiene as noticed on the FDS during manipulation.

# VARNISHES

05

## VNL tinted varnishes

28

|                                                 |    |
|-------------------------------------------------|----|
| Presentation                                    | 28 |
| Process                                         | 28 |
| Applications                                    | 28 |
| Color Chart                                     | 29 |
| Related products : Clear VNL & 8410 VNL Cleaner | 29 |

## PROOF AM 9267

30

|                           |    |
|---------------------------|----|
| Main applications         | 30 |
| Benefits                  | 30 |
| Technical characteristics | 30 |
| Applications              | 31 |

# VARNISHES

05

## VNL tinted varnishes

### Presentation

**VNL tinted varnishes** are highly concentrated, fast-drying tinted varnishes offering intense coloration and high-definition finishes for decorative applications. Its solvent-based formulation ensures excellent adhesion and versatility across multiple substrates, making it ideal for enhancing engravings, decorating accessories and jewellery, and finishing 3D-printed parts with precision and consistency.



**Packaging:**  
Jerrycan of 125 mL, 1 L and 5 L

### Characteristics:

- Viscosity on delivery at 20°C: 4 mPa.s
- Density 20°C: 0,86 +/- 0,02
- Dry extract: < 20% +/- 1
- Film thickened: 20 microns
- Drying at 20° C: 1 min dust-free; 30 min touch-dry

### PROCESS

1



**Prepare the surface**  
Polish, degrease and dry the part.

2



**Spray application**  
Pour VNL into the spray gun and apply a thin, uniform coat.

3



**Dry & finish**  
Dry at room temperature, recoat if needed, and clean coarse excess with 8410 VNL Cleaner.

## Applications

Eyewear engravings, markings & personalization



Prototyping & model making



### Color Chart

|                     |                     |                       |                     |               |                 |               |                   |               |               |
|---------------------|---------------------|-----------------------|---------------------|---------------|-----------------|---------------|-------------------|---------------|---------------|
|                     |                     |                       |                     |               |                 |               |                   |               |               |
| 7317<br>Fluo yellow | 6842<br>Fluo yellow | 6227<br>Golden yellow | 7472<br>Fluo orange | 292<br>Orange | 6753<br>Scarlet | 5487<br>Red   | 7318<br>Fluo pink | 5262B<br>Pink | 8445<br>Plum  |
|                     |                     |                       |                     |               |                 |               |                   |               |               |
| 6302<br>Purple      | 291<br>Blue         | 6324<br>Turquoise     | 7316<br>FluoGreen   | 5456<br>Green | 8445<br>Brown   | 6263<br>Brown | 7836<br>Navy      | 8447<br>Grey  | 6028<br>Black |

## Related products

### Clear VNL

**Clear VNL** is a colourless varnish designed to **adjust shade intensity and transparency** within the VNL range. Used as a dilution base, it allows colors to be **lightened** and intermediate shades to be created while maintaining good homogeneity and application consistency. It provides greater control over the final colour and decorative finish.



### 8410 VNL Cleaner

For removing excess VNL with a cloth dampened with the cleaner



# PROOF AM 9267 impregnation varnishes

## Presentation

**PROOF AM 9267** is a ready-to-use impregnating agent aerosol designed to seal the internal porosity of 3D printed parts.

It is used to stabilize dyed parts, ensuring optimal and long-lasting resistance to mechanical, thermal, or chemical stresses.

### Main applications:

3D printed parts  
SLS, MJF, SLA, FDM, ABS, PMMA, resins

### Benefits

- Stabilizes the surface
- Reinforces the performance
- of high-end parts
- Reduces capillary absorption
- Protects against dirt and moisture
- Strengthens the hue
- Does not alter the satin aesthetic appearance
- Good penetration into fine porosities



## Technical characteristics



Slight satin effect



Low viscosity



Colorless



Contains acrylic binders



Cures at room temperature

For those looking to enhance surface quality and durability of additive manufacturing parts.

## Applications

### Orthosis



### Boating



### Eyewear



### Food industry



### Additive manufacturing



### Automotive



A versatile solution serving multiple industries...

# ACETATE

# GLUES

# 06

## Acetate Glues

Presentation  
Applications

34

34

34

## 6948 Cold Glue

Process

35

35

## 6635C Hot Glue

Process

35

35

## Presentation

Specially formulated for cellulose acetate eyewear and decorative applications, TCN glues provide reliable and controlled bonding for precision assembly and lamination processes. They are designed to support both handcrafted and industrial production while preserving the visual quality of cellulose acetate components.



6948 Cold Glue

6635C Hot Glue

### Key advantages:

- Reliable and durable bonding
- Simple and fast process
- Precision assembly
- Excellent mechanical strength
- Transparent bonding
- Cellulose acetate compatible

## Applications

Eyewear nose pads



Acetate plates lamination



Decorative lamination



## 6948 Cold Glue

6948 Cold Glue is intended for assembly operations requiring precision and control, especially for small parts such as nose pads or frame lugs. It allows for clean and homogeneous bonding, while respecting the structure and aesthetics of the material. Suitable for artisanal or industrial production environments, it guarantees excellent mechanical strength and long-lasting stability over time.

**Packaging:** Jerrycan of 1 L

### Process

#### Small parts (nose pads, frame lugs...)

1



Dilute with acetone  
1 part 6948  
+ 9 parts acetone

2



Dip in the glue  
(5 sec)

3



Assemble and press

Bonding time: 2 sec

#### Acetate plates (lamination, large parts)

1



Dilute with acetone  
1 part 6948  
+ 9 parts acetone

2



Apply glue to the surfaces

3



Assemble and press

For acetate plates about 10 x 20 cm: use a 200 kg press.

Indicative timing:  
Immersion: 2-3 min.  
Bonding: 1-2 min.

## 6635C Hot Glue

6635C hot glue is designed for the lamination of acetate sheets under pressure. Its ready-to-use formulation offers quick implementation and is adapted to sustained production rates.

It ensures compatibility with cellulose acetate while maintaining the transparency and visual quality of assemblies.

**Packaging:** Jerrycan of 1 L

### Process

1



Ready to use

2



Apply by brush, roller or spray gun

3



Wait 5 min to de-bubble

4



Place under a heated press at 70°C for 5-10 min.

5



Immerse in cold water immediately after bonding to maintain flatness.

# LIQUYWAX

The background of the entire page is a warm, orange-toned photograph of several lit candles. In the center, a tall, cylindrical candle stands. To its left is a shorter, ribbed, pumpkin-shaped candle. To its right is a shorter, smooth, round candle. Further right is a candle with a tiered, stacked design. All candles have small, bright yellow flames. The scene is set on a textured surface, possibly sand or a coarse cloth, with a soft, out-of-focus plant visible on the far left.

07

|                 |           |
|-----------------|-----------|
| <b>Liquywax</b> | <b>38</b> |
| Presentation    | 38        |
| Process         | 38        |
| Applications    | 39        |
| Color Chart     | 39        |

## Presentation

LIQUYWAX liquid dyes are eco-designed, highly concentrated colorants developed for the mass coloration of waxes, paraffins and fatty media. Formulated with a plant-based solvent and without paraffin, they provide bright, homogeneous and reproducible shades, even at low dosage.



**Packaging:**  
Jerrycan of 125 mL and 1 L

**Main materials:** refined and semi-refined paraffins / vegetable waxes / microcrystalline waxes / ...

**Storage:** see technical data sheet and store in the original packaging under normal storage conditions.

## Process

1



### Melt the wax

Completely liquefy the wax or paraffin.

2



### Add LIQUYWAX

Add a few drops under stirring until the shade is homogeneous.

3



### Pour & cool

Adjust the dosage if necessary, pour into the mould and allow to cool.

## Applications

### Candle making



### Decorative wax objects



### Artistic wax creations



### Custom wax creations



## Color chart



9300  
Yellow



9313  
Orange



9314  
Red



9317  
Brown



9303  
Purple



9315  
Blue



9316  
Green



9318  
Black

# OUR

# SERVICES

# 08



## **International Delivery & Tailored Packaging**

Worldwide shipping with packaging designed to fit your logistical and operational requirements. Whether small batches or large-scale orders, we ensure safe, reliable delivery with solutions tailored to your supply chain.



## **Personalized Consulting & Technical Support**

Tailored guidance and hands-on support at every stage of your project. Our experts work closely with you to optimize processes, troubleshoot challenges, and ensure your objectives are met efficiently.



## **Custom Color Development**

Bespoke color solutions created to match your exact specifications and application requirements. From concept to final production, we deliver precise, reproducible colors that enhance your product's value and appeal.



## **Strict confidentiality of projects and client references**

From the very first contact, our teams apply high standards of confidentiality and handle each request in accordance with the best practices typically associated with Non-Disclosure Agreements (NDAs), whether a formal agreement has been signed or not. With over 60 years of experience operating exclusively in B2B, our teams are trained to strictly respect professional confidentiality and to manage sensitive information with the utmost care.

# FAQ

## 09

### PRODUCT SELECTION & EYEWEAR APPLICATIONS

#### **01 - Which decorative finishing solution should I choose, and which effects can be achieved on cellulose acetate eyewear?**

The appropriate solution depends on the substrate, the desired decorative effect and the production process. On cellulose acetate eyewear, TCN solutions can be used for cold enamelling, logo inclusion, transparent or opaque resin details, engravings, markings, decorative lamination and precision bonding of acetate components. Product selection should take into account the material, part geometry, required finish and production conditions. TCN can assist in defining the most suitable solution and process sequence.

#### **02 - Can several TCN finishing technologies be combined on the same frame?**

Yes. Several technologies may be combined on the same frame to create more complex decorative effects. For example, a resin inclusion may be coloured and polished, while VNL varnish can be used for engravings or markings on another area of the frame. The complete sequence should be validated on the actual substrate and geometry to ensure compatibility and a consistent final result.

#### **03 - Is substrate preparation important before applying a decorative finish?**

Yes. Surface preparation directly influences adhesion and final appearance. Depending on the technology, the surface should be clean, dry and free from contaminants. For VNL varnishes, the substrate should be polished, degreased and free from moisture before application. Pasted markdown

## EPOXY RESINS & COLOUR MANAGEMENT

### 04 - What are RD3 and ECO RD3 used for, and what is the difference between them?

RD3 and ECO RD3 epoxy systems are designed for premium decorative applications such as logo inclusion, cold enamelling, decorative filling and other resin details on cellulose acetate frames. RD3 is a two-component, solvent-free epoxy system, while ECO RD3 is its bio-based alternative, incorporating raw materials partly derived from renewable resources. Both are designed for high-end decorative finishing applications.

### 05 - How should RD3 and ECO RD3 epoxy systems be prepared?

The resin and hardener must be accurately weighed according to the specified ratio. Mix both components thoroughly until homogeneous, allow the mixture to degas, add a NANV or PPE colourant if required, apply the resin and allow it to cure completely.

### 06 - How can bubbles be minimized when processing epoxy resin?

After mixing, allow the resin and hardener mixture to degas before application. This is particularly important for transparent decorative effects where trapped air may remain visible.

### 07 - How can I obtain transparent or opaque coloured resin effects?

For transparent effects, TCN NANV liquid dyes can be used to colour epoxy resins while preserving transparency. For opaque effects, PPE pigment pastes are designed to provide homogeneous opaque coloration. Standard shades can be mixed to create customised decorative colours.

### 08 - Can cured epoxy resin be polished?

Yes. Once fully cured, the epoxy resin can be polished to improve surface quality and obtain a high-gloss decorative finish. This is particularly relevant for eyewear and other high-end applications.

### 09 - What should I do if the epoxy resin crystallizes or becomes opaque during storage?

If crystallization or opacity occurs during storage, heat the resin to 80°C until it becomes fully fluid, then allow it to cool back to room temperature before use.  
Pasted markdown

## VNL DECORATIVE VARNISHES

### 10 - What is VNL decorative varnish used for in eyewear?

VNL is designed for precise decorative surface applications such as engravings, markings, lettering and localized colour details on cellulose acetate frames.

### 11 - Which materials are compatible with VNL varnishes?

VNL can be used on several substrates including cellulose acetate, PMMA, polyamide and other plastics, as well as metals, glass and ceramics. Final compatibility should be validated on the actual substrate.

### 12 - How can VNL varnish be applied?

Depending on the required precision and production process, VNL can be applied by spraying, brushing or marker application. The appropriate application method depends on the geometry and decorative effect required.

### 13 - How fast does VNL dry?

At 20°C, VNL is approximately dust-free after 1 minute and touch-dry after approximately 30 minutes. Actual drying time may vary depending on application conditions and film thickness.

### 14 - Can VNL colour intensity be adjusted?

Yes. VNL shades can be adjusted using the compatible Clear VNL base to reduce colour intensity, create intermediate shades or modify transparency.

### 15 - Can VNL be recoated or corrected?

Yes. VNL can be recoated. For correction or removal of excess varnish, 8410 VNL Cleaner can be used. Polishing products may also be used for precise finishing operations where appropriate. Pasted markdown

## ADDITIVE MANUFACTURING & PROTECTION

### 16 - What is PROOF AM 9267 used for, and does it affect the appearance of the part?

PROOF AM 9267 is a ready-to-use impregnation and sealing spray developed for porous additive-manufactured parts produced using technologies such as SLS, MJF, SLA and FDM. Its low viscosity helps penetrate fine porosities and reduce capillary absorption. It is colourless and provides only a slight satin effect, helping to preserve the aesthetic appearance while providing additional protection against dirt and moisture. Compatibility should be validated according to the specific substrate and surface condition. Pasted markdown

## ACETATE BONDING

### 17 - What is the difference between 6948 Cold Glue and 6635C Hot Glue?

6948 Cold Glue is designed for precision bonding of cellulose acetate parts, particularly small components such as nose pads. 6635C Hot Glue is designed for thermally activated lamination of cellulose acetate sheets.

### 18 - Does 6948 Cold Glue require preparation before use?

Yes. 6948 Cold Glue must be diluted with acetone before application. The dilution can be adjusted according to the required viscosity and application method. Pasted markdown

## INDUSTRIAL INTEGRATION & OPTIMIZATION

### 19 - Can decorative finishing processes be integrated from prototyping to serial production?

Yes. TCN decorative finishing solutions are designed for use in both workshop environments and industrial production processes. They can be adapted from individual parts and prototypes to repeated production. During scale-up, substrate preparation, dosing, application, drying or curing conditions and finishing operations should be defined and controlled to ensure consistent quality and reproducibility.

### 20 - Do you support customers throughout their projects?

Yes. TCN can support product selection, feasibility assessment, preliminary trials, substrate compatibility, process optimization and troubleshooting from development through to industrial implementation. Pasted markdown

## SAFETY, STORAGE & REGULATORY COMPLIANCE

### 21 - What safety precautions and equipment are required?

The safety classification and required equipment depend on the selected product and technology. Epoxy systems require accurate weighing and mixing equipment, while VNL varnishes require suitable application equipment and appropriate ventilation. All products must be handled in accordance with their current Safety Data Sheets and applicable workplace safety requirements.

### 22 - What are the storage conditions and are regulatory documents available?

Storage conditions depend on the product family and must follow the product label, Technical Data Sheet and Safety Data Sheet. Safety Data Sheets and available regulatory declarations or certificates can be provided according to the product and customer requirements. Pasted markdown

## TRANSPORT OF DANGEROUS GOODS

### 23 - Are some decorative finishing products classified as dangerous goods for transport?

Yes. Depending on their composition and packaging, some products may be classified as dangerous goods for transport. Applicable transport information is provided in Section 14 of the Safety Data Sheet. Pasted markdown

## ORDERING & LOGISTICS

### 24 - How are orders, international deliveries and samples managed?

Orders must be sent by email to [office@color-tcn.com](mailto:office@color-tcn.com) and are validated after acceptance of the quotation and the General Terms and Conditions of Sale by the customer.

The minimum order amount, excluding tax and transport costs, is €150, and a management fee of €50 applies for orders between €150 and €250.

Lead times depend on product availability and order volume and are specified in the quotation or order confirmation. Urgent requests are evaluated according to stock and production planning.

Products are sold FCA Grigny (ICC 2020) and can be shipped worldwide through TCN's usual transport providers or according to customer requirements, subject to applicable transport conditions.

Upon request, samples may exceptionally be provided without minimum order requirements for a first evaluation, depending on the project scope. Pasted markdown

For any additional questions or tailored technical support, our team of experts is available to assist you.  
Please contact us at: [jy.morosolli@color-tcn.com](mailto:jy.morosolli@color-tcn.com)



A Colorful World

office@color-tcn.com 

20, rue des Carriers Italiens  
91350 Grigny - FRANCE 

www.techniques-chimiques-nouvelles.com 