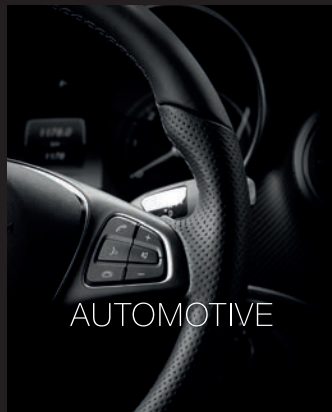




FENICE NEWS!

FENICE SPA HOUSE ORGAN SEPTEMBER 2023



PROFESSIONAL EXPERTISE TANNERY TO CONSUMER

Only Fenice!





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LEATHER FINISHING



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LEATHER FINISHING

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SHOES AND LEATHERGOODS



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AUTOMOTIVE **CAR MAKE-UP® S-4**

IMPROVE THE QUALITY SELECTION GUARANTEEING EXCELLENT ADHESION



CAR MAKE-UP® S-4 is the special non-buffable stucco-prebottoming coat applicable by **ROLLER COATER** on full grain or buffed leathers, especially intended for the Automotive sector.

Its application allows to optimize production, obtaining higher levels of **UNIFORMITY**, **LEVELLING** of small defects, improving and ensuring a high value of **ADHESION** to the leather and subsequent pigmented covering finishes.

Specifically, **CAR MAKE-UP® S-4** ensures a consequent **PRODUCT SAVING** in the coverage phase by avoiding weighing down the leather resulting in **BETTER** quality selection.



The presented specialty chemical is formulated in accordance with the ZDHC protocol.

TECHNICAL DATA CAR MAKE-UP® S-4

DATE REV: 05/22



NATURE

Polyurethanes and fillers in water dispersion.



USE

CAR MAKE-UP® S-4 has been formulated as a soft prebottom of superior adhesion for full grain automotive leather.

CAR MAKE-UP® S-4 is applied by roller coater, possibly using the cylinder 21-SS for high viscosity products.

The application of CAR MAKE-UP® S-4 allows the covering of small superficial defects and it helps to obtain quickly an even finishing covering.

The dry and wet adhesion that can be achieved fulfills the most advanced technical requirements of the market.



PHYSICAL CONSTANTS

	STANDARD VALUE	TEST METHOD
Appearance	whitish fluid paste	MDA 008
Dry content (%)	24 ± 2	MDA 010/011
pH (1:10)	8.5 ± 1	MDA 004
Density (g/cm3)	0.80 ± 0.05	MDA 018



All our information and suggestions are supplied on the basis of our present knowledge and are subject to careful tests. However, we cannot accept responsibility for the use of the product, which must be verified and evaluated for its suitability or otherwise by the customer. Declared physical constants are monitored in production and guaranteed by FENICE S.p.A.

AUTOMOTIVE **BINDER AUTO 77**



VERY HIGH FLEX RESISTANCE ON NAPPA LEATHERS FOR TOP BRANDS



BINDER AUTO 77 is the aliphatic polyurethane that is used in the formulation of primers for the Automotive sector, particularly for the production of seating.

Its use will be critical in meeting the specifications of the most demanding automotive manufacturers due to its pleasant softness, print retention, resistance to hydrolysis, but most importantly, its high flex resistance values (before and after uv).

Therefore, **BINDER AUTO 77** is the right solution for industry operators who need:

- CERTAINTY IN RESULTS
- EXCELLENT COST-EFFECTIVENESS
- ATTRACTIVITY OF THE "NAPPA" ARTICLE. FOR SEATS



TECHNICAL DATA BINDER AUTO 77

DATA REV: 11/20



NATURE

Aliphatic polyurethane in water dispersion



USE

BINDER AUTO 77 is the medium-soft polyurethane binder used for achieving good coverage with excellent resistances, for any type of article, particularly upholstery and Automotive.

BINDER AUTO 77 forms a glossy and transparent film, soft and flexible but tough with excellent physical-mechanical resistances.

When added to acrylic resin covering coats, **BINDER AUTO 77** greatly improves the mechanical resistances and the print retention of leather.

The polyether nature of **BINDER AUTO 77** assures excellent hydrolysis resistances. Being without solvents makes it suitable for use in solvent-free finishes.



PHYSICAL CONSTANTS

	STANDARD VALUE	TEST METHOD
Appearance _____	whitish-opalescent liquid	MDA 008
Dry content (%) _____	35 ± 2	MDA 010/011
pH (1:10) _____	8.0 ± 1	MDA 004
Density (g/cm ³) _____	1.01 ± 0.05	MDA 018



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INTERMEDIATE FIXATION

PIT STOP 16

ALTERNATIVE TO NC EMULSIONS THAT ARE SOLVENT-FREE – BOVINE AND BUFFALO



With a view to making available chemical products with low or no content of VOCs (volatile organic substances) comes **PIT STOP 16** a very valid substitute for water emulsion lacquers.

PIT STOP 16 is the general-purpose insulator that is easy to store and transport, as it is solvent-free. It also lowers processing costs thanks to a dilution that is recommended in the ratio of one part for every 2 parts of water.

PIT STOP 16 is formulated completely in water, light-fast so it is also suitable for white and light tone leathers.

It forms a semi-opaque film with excellent overspray properties, which excellently resists ageing with heat and humidity, without any decay in wet rub resistances compared to leather not subjected to this tropical test. Of particular importance is this characteristic especially on buffalo hides.

PIT STOP 16 in diluted form as suggested is applied in the amount of about 2gr/pq.

The presented specialty chemical is formulated in accordance with the ZDHC protocol.



UPHOLSTERY AND LEATHERGOODS

SHINE-TIP® 70

POLISHED TIP EFFECT IN JUST 4 HOURS OF MILLING



SHINE-TIP® 70 is the polyurethane topcoat for upholstery or leathergoods leathers that develops an excellent glossy tip effect after a few hours of dry milling.

Its special feature is its ability to develop a very noticeable effect even with shorter millings of only 3-4 hours. This is especially required by buffalo hide producers, in order to maintain a more uniform print grain across the entire surface, without overly attacking the portion of the flanks and belly of a looser nature, thus ensuring excellent finished quality selection.

SHINE-TIP® 70 is cross-linked with **CT 14/C** polyacryridine or **CT 80** isocyanate in the case of light colors.

After milling, light ironing at 110°C and minimal pressure can be applied for even greater gloss on the print tips.

SHINE-TIP® 70 guarantees a reduction in production costs and increased cuttability of the leather.

The presented specialty chemical is formulated in accordance with the ZDHC protocol.



SUSTAINABILITY

RESISTO® RS 46

VERSATILE POLYURETHANE COVERINGS FROM RENEWABLE SOURCES



RESISTO® RS 46, the versatility of a renewably sourced polyurethane.

RESISTO® RS 46 contains a high content of materials from renewable plant-based sources, making it suitable for the production of environmentally sustainable leather articles. An essential prerequisite for conquering international markets at any level.

The characteristics that make **RESISTO® RS 46** a first-order versatile speciality are its excellent mechanical properties, hydrolytic resistance, low temperature flex resistances, and lightfastness.

Its presence in formulations provides a soft, transparent and elastic film with excellent overall performance.

In formulations with harder binders, **RESISTO® RS 46** acts as a softener/plasticizer.

With its use, the list of stock products is reduced so that it can be used both as a binder in conventional primers and as a "skin" in release paper finishes.



TECHNICAL DATA RESISTO® RS 46

DATE REV: 06/23



NATURE

Aliphatic polyurethane in water dispersion.



USE

RESISTO® RS 46 is a polyether-PU with high content of vegetal sourced bio-based material, suitable for producing eco-sustainable leathers and articles.

RESISTO® RS 46 forms a soft, transparent and elastic film with very good physical-mechanical properties and excellent hydrolysis resistance.

RESISTO® RS 46 is mainly used as a binder in conventional leather basecoats or as a “skin” layer in release paper finishing.

BIO-content (calculated as Bio-Solids/Total solids) is about 70%.



PHYSICAL CONSTANTS

	STANDARD VALUE	TEST METHOD
Appearance	_____ opalescent liquid	MDA 008
Dry content (%)	_____ 36 ± 2	MDA 010/011
pH (1:10)	_____ 8.0 ± 1	MDA 004
Density (g/cm3)	_____ 1.02 ± 0.05	MDA 018



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SUSTAINABILITY

UW 10 BIO

POLYURETHANE FOR LIGHT, ELASTIC AND NATURAL COVERING, FROM RENEWABLE RESOURCES



UW 10 BIO represents a modern proposal of the well-known Fenice specialty called UW 10, which continues its path of success and finds use in many parts of modern finishing.

UW 10 BIO is the aliphatic polyurethane in non-ionogenic aqueous dispersion, produced from materials derived from renewable sources, producing a soft film with extraordinary adhesion, increased toughness, low tackiness and superb mechanical workability.

UW 10 BIO exhibits broad compatibility with anionic or cationic products, thus making it extremely versatile, benefiting formulations with adhesion, general fastness, rheology and a natural touch.

UW 10 BIO can be used as an adhesion promoter in both water-based and solvent-mixed systems, subject to inversion with glycolethers. An obvious benefit about the use in finishing of such a multifunctional product is avoiding the use of several individual products by reducing, with obvious economic advantages, the products in stock.

UW 10 BIO is effectively used, given its high penetration capacity, in cationic, nonionic or anionic prebottoms and basecoats. Its stability and workability make it effective as a rollercoater binder.

Its molecular fineness, also allows it to be used successfully in pigmented basecoats for footwear and garment nappa when naturalness, softness and elegant finishing are an essential requirement.

Last but perhaps the first benefit of using UW 10 BIO, in finishing, should be its importance, in modern industrial production areas, of eco-sustainability; thanks to its material content derived from renewable sources of about 50% (calculated as bio dry / dry total).

UW 10 BIO allows finishing for a much appreciated standard, required and often imposed by the most well-known and famous international brands.

The presented specialty chemical is formulated in accordance with the ZDHC protocol.



TECHNICAL DATA

UW 10 BIO

DATA REV: 07/23



NATURE

Aliphatic PU in non ionic water dispersion.



USE

UW 10 BIO is a soft PU binder with excellent adhesion and low tackiness that can be employed as an adhesion promoter or soft binder both in cationic and anionic finishes.

This makes **UW 10 BIO** a very versatile binder with a large use.

In cationic prebottoms and basecoats **UW 10 BIO** can be used as a polishable binder in combination with waxes and other cationic auxiliaries.

In light finishes it is appreciated as a fine soft and elastic binder.

UW 10 BIO is produced starting from renewable materials and it has a “bio” content above 50% by weight.



PHYSICAL CONSTANTS

	STANDARD VALUE	TEST METHOD
Appearance _____	whitish opalescent liquid	MDA 008
Dry content (%) _____	20 ± 2	MDA 010/011
pH (1:10) _____	7.5 ± 1	MDA 004
Density (g/cm3) _____	1.01 ± 0.05	MDA 018



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PREBOTTOM FOR FULL GRAIN LEATHER **SEALER M6**



SEALER M6 is a prebottoming for full grain or buffed leathers, mainly intended for leather footwear, leathersgoods and smooth finished articles with an embossed haircell print.

SEALER M6 allows for improved leather quality selection through surface uniforming action and excellent retention of the embossed haircell print.

Its use does not load the leather, instead it maintains a natural, waxy appearance.

SEALER M6 is a ready-to-use anionic formulation to be coloured with traditional pigments and/or anilines and diluted as desired with a small amount of water.



FOOTWEAR COLLEGE® RF

HIGH FLEX RESISTANCE FOR PATENT LEATHER

COLLEGE® RF is the specific all-in-one binder intended for the production of high-class footwear leathers. Footwear leather treated with COLLEGE® RF shows high resistance to repeated cold flexing.

COLLEGE® RF can conquer all markets, even the most extreme ones; in fact, it was created to ensure flexing at any temperature, even the lowest. It doesn't matter where the leather will be shipped: wherever it goes, whatever type of footwear it creates, it will be guaranteed to be soft and hold up to flex resistances.

In addition to these technical qualities, which are guaranteed, there remains an extreme ease of use: during the finishing of leathers, stacking and satin finishing will not need any special precautions and it will be sufficient to operate with the classic production methods.

The presented chemical specialty is formulated in accordance with the ZDHC protocol.

SUGGESTED FINISHING FORMULATION

EC 4834

Nature of hide	BUFFED BOVINE HIDE		
Item/Use	FOOTWEAR	Customer ref.	
Finishing requirement	COLLEGE	Colour	PALE PINK

Products (parts by weight)	a	b	c	d	e	f	
PE 56	50						
WATER	620						
AR 332/C	335						
LIFTING LV		1000					
MICRODYNE MIX			140				
COLLEGE® RF			800				
ADHESION PROMOTER 1300			30				
PE 115			20				
CT 11			10				
BRILLACK W 30				850			
AQUAGRADE® UW 69				140			
CT 14/C				10			

Procedures		NOTES
1	1 rcm mix A, aprox 25 g/sqft	LIFTING LV COLLEGE® RF
2	Vacuum drying	
3	Buff 400 paper	
4	1 rcm mix B aprox 5 g/sqft	
5	Buff 400 paper	
6	2 rcm mix C	
7	Sandblast at 95°C - 60 atm	
8	2 rcm mix C	
9	2 rcm mix D	

The above details are correct to the best of our knowledge and experience. Given the range of variables that may arise in application, however, no responsibility will be accepted if this document is passed on to the customers. Our highly specialised technical staff is always available to ensure the best use of our products and the certainty of good results.

CRUST LEATHER

WATERSTAIN® BLUE JEANS

THE LEATHER DYE MADE FROM THE NATURAL VEGETABLE DYE CALLED “GUADO”



A washed-out blue jeans effect can be obtained on absorbent crust leathers in a single application.

Guado is a plant that is part of the so-called “blue plants” and is the only European plant from which man has derived blue since prehistoric times. It was among the dyes once used to dye the cloth from which blue jeans were made.

Guado is the only dye that can give a high-quality blue hue not only in terms of colour, but also in terms of resistance to light and wear.

WATERSTAIN® BLUE JEANS is applied by sponge on white or light-coloured, absorbent crust. Leave to dry well.

To increase the softness and silky feel, a subsequent application of **LEATHER GUARD** is recommended.

A leather with a very special washed-out denim effect is obtained.

The presented chemical specialty is formulated in accordance with the ZDHC protocol.



CRUST LEATHER

COLORSTAIN - (WATERSTAIN® FAMILY)

THE DYE BASED ON SOFT WAXES, REACTIVE TO BRUSHING, FOR FINISHING CRUST LEATHERS



Intense dyes are obtained for a fine aniline effect.

COLORSTAIN Series are semi-fluid creams for dyeing and finishing footwear in natural crust or simply drum-dyed leather.

The aniline effect obtained is of a handcrafted finished footwear, typical of the Tuscany veg-tanned articles.

They are sponge applied directly on the leather before it is cut or spliced, or, on the lasted footwear, after it has been placed in the heat oven and allowed to dry for several minutes. They are then brushed with a cotton brush, with abrasive wax from the **DC 3800** series.

Afterwards, the footwear can be finished with our **VICTORIA CREME®** specialties in the **VAL** soft and silky version or **DC 4000/W** bright and sealing.

The presented chemical specialty is formulated in accordance with the ZDHC protocol.



FOOTWEAR - LEATHER GOODS

HP COLOURS

THE COVERING COLOUR WITH MULTIPLE FUNCTIONS SUCH AS RENEWAL, RECOLOURING AND TOUCH-UP OF LEATHER ARTICLES.



Colours for footwear, leather goods and finished leather articles.

HP COLOURS represent a support to footwear and leather goods manufacturers to remedy the most frequent damage to leathers, caused during the processing of the article.

They also find great use in the renewal of leather parts, that can be partially worn out during use over time.

HP COLOURS: These are special coloured preparations with pigments and binders in water dispersion endowed with excellent covering, anchoring and filling powers.

They are used as touch-ups to remedy the most frequent damage to leathers. They are applied with a brush or sponge directly to the part to be touched up and allowed to dry for a few minutes.

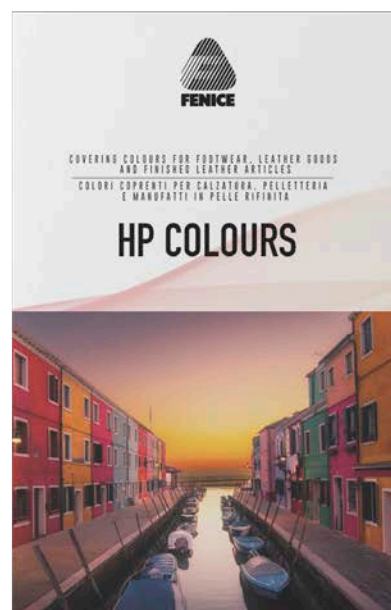
Spray application is also possible, after diluting it with 80% of **HP THINNER**. Afterwards, retouched leathers can be finished with Fenice products such as topcoats, creams or dressings.

HP COLOURS are available in 15 primary colors and major metallic colours; they can be mixed together to achieve the desired shades.

The color chart is a very important aid for sampling the desired colour.

To optimize the adhesion of **HP COLOURS**, it is recommended to degrease the leather beforehand with **DC 1200** cleaner.

COLOUR CHART



POLYURETHANE FILM FOR FINISHING **LONG LIFE 3000**

ALTERNATIVE FINISHING



THE POLYURETHANE FILM APPLIED ON A ROTOPRESS FOR A PERFECT MATT/SATIN FINISH ON BUFFED LEATHER, MICROFIBRE AND VARIOUS FABRICS.

THE FINISH IS DONE IN JUST ONE FAST APPLICATION.



TECHNICAL DATA

LONG LIFE 3000



NATURE



PROPERTIES & CHARACTERISTICS

Long Life 3000 is a monolayer thermoadhesive that can create a compact and homogeneous surface on leather. It gives a silky and matt effect.

- Good coverage after application to substrate
- Silky and matt surface

APPLICATIONS

- Application to buffed leathers, microfibre and various fabrics.

PRODUCT SCHEME:

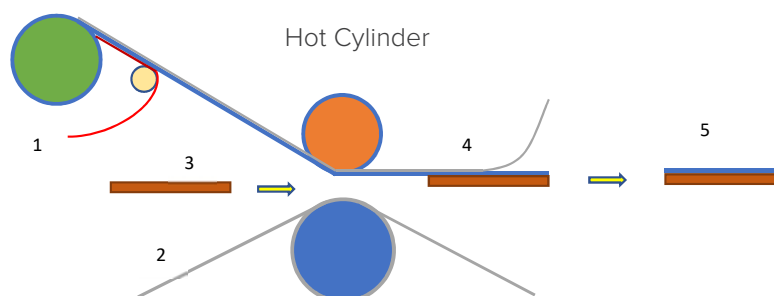


BASIC DATA

Composition	PU
Thickness PU	~ 40 μm
Weight PU	~ 48 g/m ²
Melting point	130°C
Lamination Temperature	Recommended + 10 °C more than melting point.



APPLICATION PROCEDURE:



- 1- Unwind Long Life 3000 and remove the PE carrier
- 2- Use a protective PET or a belt to support leather during lamination
- 3- Insert the leather in the lamination groupset
- 4- Remove the Long Life 3000 PET carrier after lamination
- 5- Obtaining of the leather laminated on the surface with Long Life 3000

The suggestions contained must to be considered indicative and they always need to be verified by the user.
Typical values obtained from lots of neutral films produced in different widths. Colours and treatment can significantly influence these values.

SUPER SEALING EDGE PAINT

SL 6700/MD

THE SEALING BASE COAT WITH HIGH RAW MATERIAL CONTENT TO ACHIEVE THE HIGHEST LEVEL OF COVERAGE WITH OUR SECTION LACQUER® EDGE PAINTS



SL 6700/MD Series products can be applied manually or by machine, in one or two coats, depending on the absorption of the leather.

Edges finished with the products in this series are matt, very soft, with high and uniform covering power and excellent resistances.

It is necessary to always check the anchorage of the product on the treated leather at least 24 hours after application.

The presented chemical specialty is formulated in accordance with the ZDHC protocol.



SUGGESTED FINISHING FORMULATION



Prepare the edge so as to create a uniform, porous and absorbent surface.

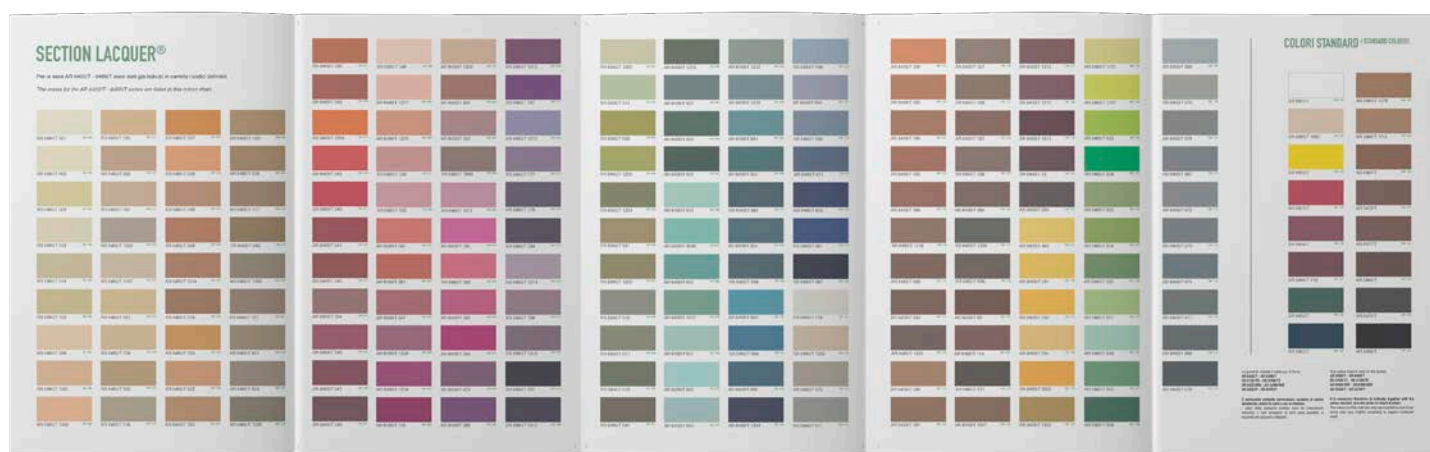
- Apply the first coat of the product Section Lacquer® SL 6700/MD (neutral) and allow to dry thoroughly.

- Lightly brush the leather edge with a soft leather rotating pad (with the right width for the leather's thickness) then pass with very fine sandpaper so as to create a slightly porous surface.

- Apply the first coat of Section Lacquer® HS 5799/TCL (black) and let it dry thoroughly.

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COLOUR CHART





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