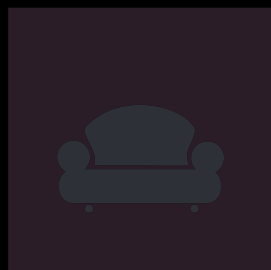




for leather,  
for you

Cartella colori / Colour card

Coloranti per cuoio / *Dyes for leather*



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**CARROZZERIA / AUTOMOTIVE**

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**VITELLO WET BLUE spessore 1,2-1,3 mm % SUL PESO RASATO**  
**CALF WET BLUE thickness 1,2-1,3 mm % ON SHAVED WEIGHT**

%	Prodotti Products	Temp.	Tempo Time	pH	Operazione Operation
200,00%	ACQUA / WATER	35°C			
0,20%	ACIDO FORMICO / FORMIC ACID				
0,30%	AMINEX SL		30'		SCOLARE / DRAIN
150,00%	ACQUA / WATER	35°C			
3,00%	CROMO 33 / CHROME 33		60'		AUTOMATICO NOTTE / AUTOMATIC OVERNIGHT
2,00%	G-TAN GA LIQ.		20'		
1,50%	SODIO BICARBONATO / SODIUM BICARBONATE		60'	pH 5.2	
0,50%	G-TAN SL4		40'		SCOLARE LAVARE / DRAIN WASH
100,00%	ACQUA / WATER	50°C			
3,00%	G-SOFT AC/1				
3,00%	G-SOFT FOG L		60'		
1,00%	ACIDO FORMICO / FORMIC ACID		30'		SCOLARE LAVARE / DRAIN WASH

**TONO CHIARO % SUL PESO RASATO**  
**LIGHT TONE % ON SHAVED WEIGHT**

%	Prodotti Products	Temp.	Tempo Time	Operazione Operation
50,00%	ACQUA / WATER	20°C		
2,00%	G-TAN BD			
1,00%	COLORE / DYE		60'	
200,00%	ACQUA / WATER	55°C	10'	
1,00%	ACIDO FORMICO / FORMIC ACID		30'	SCOLARE LAVARE / DRAIN WASH

**TONO SCURO % SUL PESO RASATO**  
**DARK TONE % ON SHAVED WEIGHT**

%	Prodotti Products	Temp.	Tempo Time	Operazione Operation
50,00%	ACQUA / WATER	20°C		
4,00%	COLORE / DYE		60'	
200,00%	ACQUA / WATER	55°C	10'	
1,50%	ACIDO FORMICO / FORMIC ACID		20'	
1,50%	ACIDO FORMICO / FORMIC ACID		20'	SCOLARE LAVARE / DRAIN WASH

**NOTE**  
**NOTES**

Asciugare al sottovuoto / Vacuum drying

L'applicazione e l'impiego dei prodotti hanno luogo al di fuori delle nostre possibilità di controllo e ricadono pertanto sotto l'esclusiva responsabilità del cliente.  
 The application and use of the products are beyond our control and they fall under the customer's responsibility.

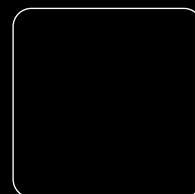
**1%**

**4%**



**Non-metal complex**

**% sul peso rasato**  
**% on shaved weight**



**VITELLO WET WHITE spessore 1,2-1,3 mm % SUL PESO RASATO**  
**CALF WET WHITE thickness 1,2-1,3 mm % ON SHAVED WEIGHT**

%	Prodotti Products	Temp.	Tempo Time	Operazione Operation
250,00%	ACQUA / WATER	30°C		
0,30%	AMINEX SL		30'	SCOLARE / DRAIN
80,00%	ACQUA / WATER	30°C		
1,50%	G-SOFT CLP		15'	
3,00%	G-PLAST FM			
18,00%	G-TAN AMW		30'	
1,50%	G-SOFT CLP		10'	
3,00%	G-PLAST FM			
18,00%	G-TAN AMW		60'	AUTOMATICO NOTTE / AUTOMATIC OVERNIGHT
150,00%	ACQUA / WATER	50°C		
3,00%	G-SOFT CLP			
1,00%	G-SOFT STH 73		60'	
2,00%	ACIDO FORMICO / FORMIC ACID		30'	SCOLARE LAVARE / DRAIN WASH

**TONO CHIARO SUL % PESO RASATO**  
**LIGHT TONE % ON SHAVED WEIGHT**

%	Prodotti Products	Temp.	Tempo Time	Operazione Operation
50,00%	ACQUA / WATER	20°C		
2,00%	G-TAN BD			
1,00%	COLORE / DYE		60'	
200,00%	ACQUA / WATER	50°C	10'	
1,00%	ACIDO FORMICO / FORMIC ACID		30'	SCOLARE LAVARE / DRAIN WASH

**TONO SCURO % SUL PESO RASATO**  
**DARK TONE % ON SHAVED WEIGHT**

%	Prodotti Products	Temp.	Tempo Time	Operazione Operation
50,00%	ACQUA / WATER	20°C		
4,00%	COLORE / DYE		60'	
200,00%	ACQUA / WATER	50°C	10'	
1,50%	ACIDO FORMICO / FORMIC ACID		15'	
1,50%	ACIDO FORMICO / FORMIC ACID		30'	SCOLARE LAVARE / DRAIN WASH

**NOTE**  
**NOTES**

Asciugare al sottovuoto 45°C 200 secondi / Vacuum drying 45°C 200 seconds

L'applicazione e l'impiego dei prodotti hanno luogo al di fuori delle nostre possibilità di controllo e ricadono pertanto sotto l'esclusiva responsabilità del cliente.  
 The application and use of the products are beyond our control and they fall under the customer's responsibility.

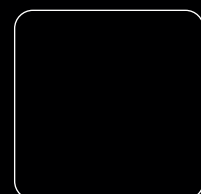
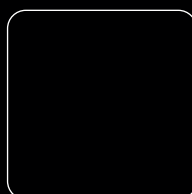
**1%**

**4%**



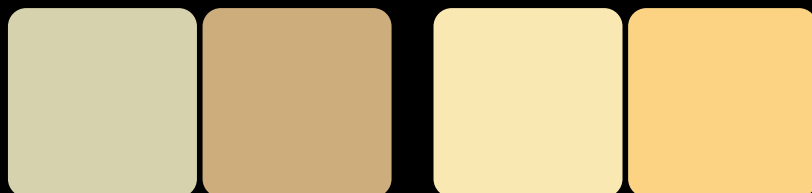
**Non-metal complex**

**% sul peso rasato**  
**% on shaved weight**



WB/ Chrome

WW/ FOC

**BEIGE N10**

Fastness to finishing	5
Light fastness	3/4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	3

**LIMONE LL** 

Fastness to finishing	5
Light fastness	4/5
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4/5

**GIALLO RR** 

Fastness to finishing	4
Light fastness	4/5
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	3

**ARANCIO E CONC.**

Fastness to finishing	5
Light fastness	5
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	3/4

**ARANCIO GR**

Fastness to finishing	4
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	4

**AVANA 2R CONC.** 

Fastness to finishing	4
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	5

**BRUNO O**

Fastness to finishing	3/4
Light fastness	4
Reflectance index WB 1%	M
Reflectance index WB 4%	L
Reflectance index WW 1%	H
Reflectance index WW 4%	L
Metal-complex	YES
Penetration	4

**BRUNO SO**

Fastness to finishing	5
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	L
Reflectance index WW 1%	H
Reflectance index WW 4%	L
Metal-complex	YES
Penetration	4

WB/ Chrome

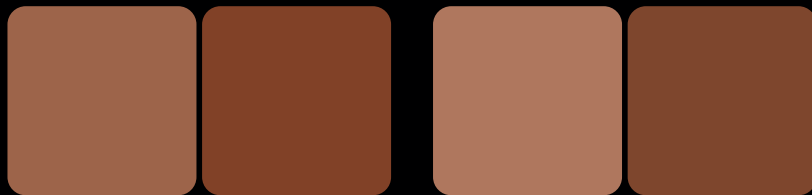
WW/ FOC

**BRUNO GC CONC.**

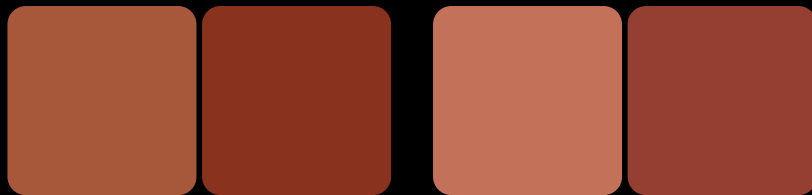
Fastness to finishing	4/5
Light fastness	4/5
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	4

**BRUNO RC CONC.**

Fastness to finishing	4/5
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	4

**BRUNO AR**

Fastness to finishing	4
Light fastness	3/4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4

**BRUNO RK**

Fastness to finishing	3/4
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4

**BRUNO 3TB**

Fastness to finishing	4
Light fastness	3/4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4

**BRUNO TD**

Fastness to finishing	3/4
Light fastness	4
Reflectance index WB 1%	M
Reflectance index WB 4%	L
Reflectance index WW 1%	M
Reflectance index WW 4%	L
Metal-complex	YES
Penetration	4

**BRUNO SCURO WT CONC.**

Fastness to finishing	3
Light fastness	4
Reflectance index WB 1%	M
Reflectance index WB 4%	L
Reflectance index WW 1%	H
Reflectance index WW 4%	L
Metal-complex	YES
Penetration	3

**BRUNO SRV**

Fastness to finishing	4/5
Light fastness	3
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4

WB/ Chrome

WW/ FOC

**ROSSO BRUNO BH**

Fastness to finishing	5
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	3/4

**ROSSO CLG** 

Fastness to finishing	5
Light fastness	3
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	5

**SCARLATTO BK** 

Fastness to finishing	4
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	5

**BORDEAUX BLL**

Fastness to finishing	4/5
Light fastness	3/4
Reflectance index WB 1%	H
Reflectance index WB 4%	M
Reflectance index WW 1%	H
Reflectance index WW 4%	M
Metal-complex	YES
Penetration	4

**VIOLETTO RBL**

Fastness to finishing	5
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	3

**VERDE SCURO BT CONC.** 

Fastness to finishing	3/4
Light fastness	2/3
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4/5

**TURCHESE GL**

Fastness to finishing	5
Light fastness	4/5
Reflectance index WB 1%	H
Reflectance index WB 4%	L
Reflectance index WW 1%	M
Reflectance index WW 4%	L
Metal-complex	YES
Penetration	5

**BLU HM** 

Fastness to finishing	5
Light fastness	3
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	3

**BLU SCURO S**

Fastness to finishing	4/5
Light fastness	3/4
Reflectance index WB 1%	M
Reflectance index WB 4%	L
Reflectance index WW 1%	M
Reflectance index WW 4%	L
Metal-complex	YES
Penetration	3

**BLU L2R**

Fastness to finishing	5
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	3/4

**GRIGIO W-190**

Fastness to finishing	4/5
Light fastness	4/5
Reflectance index WB 1%	H
Reflectance index WB 4%	M
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	YES
Penetration	4

**GRIGIO HCR**

Fastness to finishing	5
Light fastness	3/4
Reflectance index WB 1%	H
Reflectance index WB 4%	M
Reflectance index WW 1%	H
Reflectance index WW 4%	M
Metal-complex	YES
Penetration	4/5

**NERO RL**

Fastness to finishing	4
Light fastness	4
Reflectance index WB 1%	L
Reflectance index WB 4%	L
Reflectance index WW 1%	M
Reflectance index WW 4%	L
Metal-complex	YES
Penetration	2/3

**NERO GSF** 

Fastness to finishing	3
Light fastness	4/5
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4/5

**NERO NWD-M** 

Fastness to finishing	3/4
Light fastness	4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4/5

**NERO CLD** 

Fastness to finishing	3
Light fastness	3/4
Reflectance index WB 1%	H
Reflectance index WB 4%	H
Reflectance index WW 1%	H
Reflectance index WW 4%	H
Metal-complex	NO
Penetration	4/5

## Gamma completa di coloranti acidi e diretti per cuoio, selezionati appositamente per articoli Automotive.

Assicurano un eccellente comportamento tintoriale sia su pelli wet blue che su wet white e consentono di ottenere tinte omogenee, brillanti e piene, in grado di soddisfare anche i capitolati di analisi più esigenti.

GSC Group ha strutturato il suo processo di controllo qualità in modo molto rigoroso, al fine di garantire la costanza delle caratteristiche chimiche e tintoriali dei suoi coloranti e porsi come partner affidabile nei confronti dei principali brand automobilistici. La selezione accurata delle materie prime, il controllo di ogni batch e la continua evoluzione delle tecniche di produzione permettono di assicurare ai propri clienti forniture ad uno standard qualitativo sempre elevato, supportato da un servizio di assistenza tecnica professionale e competente.

GSC Group è membro del programma Zero Discharge of Hazardous Chemicals (ZDHC) che mira ad eliminare i prodotti chimici pericolosi dall'intera filiera del tessile, pelle, abbigliamento e calzatura e ad assicurare un corretto trattamento dei reflui di lavorazione.

La nostra gamma di coloranti è sempre stata sviluppata e selezionata per rispondere ai requisiti più avanzati: oltre ad essere conforme alle attuali legislazioni locali, ha acquisito di recente anche la certificazione internazionale ZDHC.

### **Complete range of acid and direct dyes for leather, especially selected for Automotive articles.**

*They ensure excellent dyeing behavior on both wet-blue and wet-white leather and allow to obtain homogeneous, bright and full dyes, able to satisfy even the most demanding specification analysis.*

*GSC Group has structured its quality control process in a very rigorous way, in order to guarantee the consistency of the chemical and dyeing characteristics of its dyes and to act as a reliable partner towards the main automotive brands.*

*The careful selection of raw materials, the control of each batch and the continuous evolution of production techniques allows us to ensure our customers supplies are always of the highest quality standards, supported by a professional and competent technical assistance service.*

*GSC Group is member of the Zero Discharge of Hazardous Chemicals (ZDHC) program which aims to eliminate hazardous chemicals from the entire textile, leather, clothing and footwear supply chain and to ensure proper treatment of processing waste.*

*Our dyes have always been developed and selected to meet the most advanced requirements: in addition to complying with current local legislation, our range have also recently acquired the international ZDHC certification.*



Dichiarazione di Verifica IT301513 del 20.10.2020 relativa all'inventario dei GHG rilasciata da Bureau Veritas per l'anno solare 2019

With regard to the reflectance test (UNI EN ISO 17502:2013 *Leather - Determination of surface reflectance*) result evaluation, GSC Group has decided to characterise the dyes in its range by the following classification:

#### REFLECTANCE INDEX

H = High

M = Medium

L = Low



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