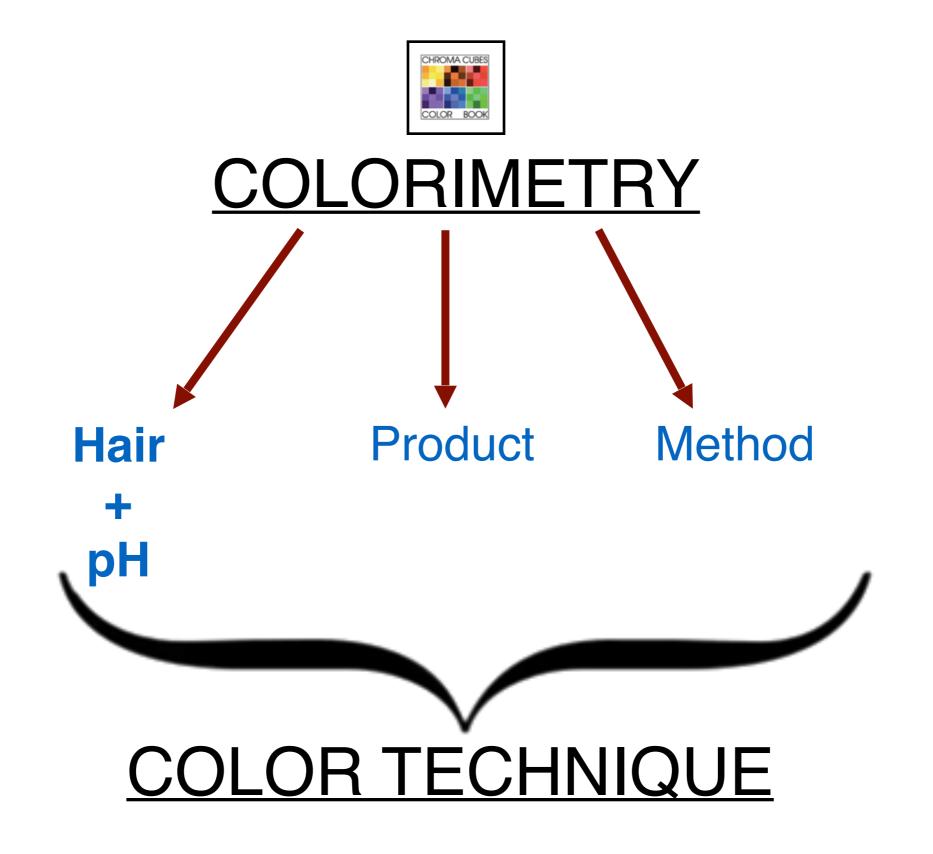


The things you need to know:



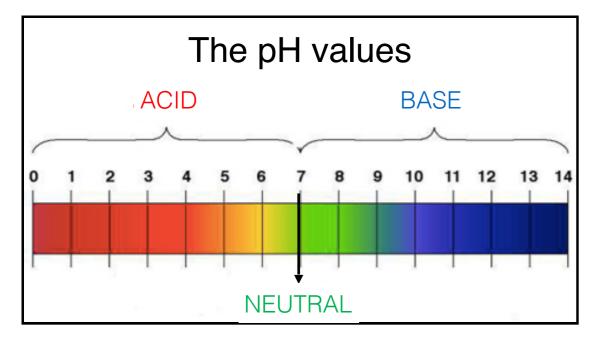




Hair and pH

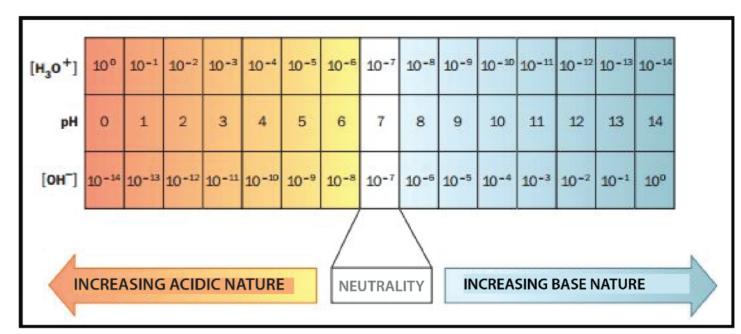


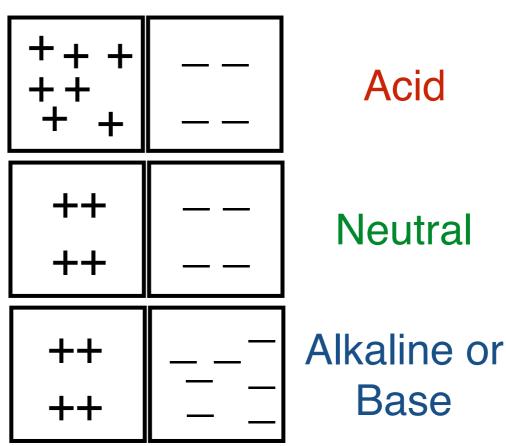
pH: degree of acidity or alkalinity of an aqueous solution

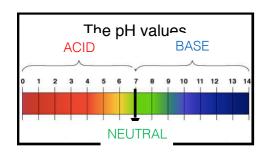


- Hydrogen peroxide / permanent fixing
- Conditioning and treatments
- Skin and Hair
- Distilled water
- Coloring / Permanents
- Bleaching

Measurement of the pH is carried out only in an aqueous solution







Hair and pH





Hydrogen peroxide / permanent fixing pH 2.5 - 3



PBF COLOR Developer



Conditioners and direct coloring treatments pH 4 - 5



PBF CAREFORCOLOR
Universal, Brown-Blonde-Red
PBF COLOR
MOLECULAR AND CRAZY REMOVER
Direct color without oxidiser Riphase tre



PBF COLOR
MOLECULAR AND CRAZY
Direct color without oxidiser
Bi-phase treatment for removing and modifying the artificial color

Skin / Hair / Shampoo pH: 5 - 6



Oxidizing coloring / Permanents pH 9.5 - 10.5



PBF COLOR LUMINITY, TONER, BLONDEOMBRE' Demi-permanent colouring ammonia-free



PBF COLOR
ABSOLUTE AND
SUPERBLOND
Permanent coloring



Bleaching pH 11

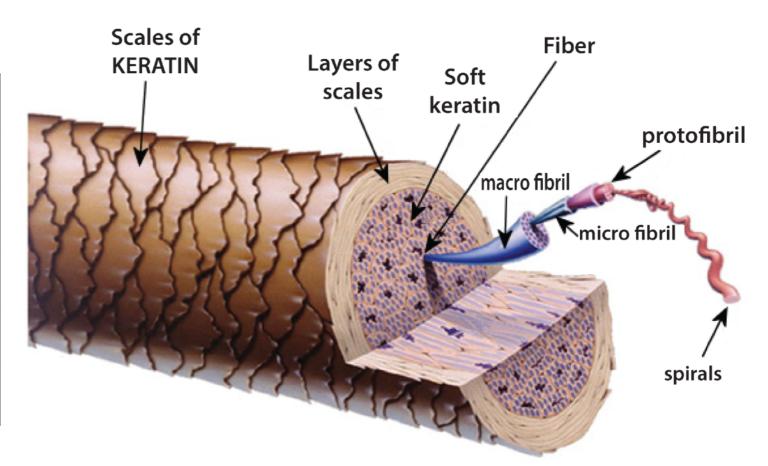


PROFESSIONAL
BY FAMA
THE ITALIAN ART OF COLOR



The molecular composition of the Hair

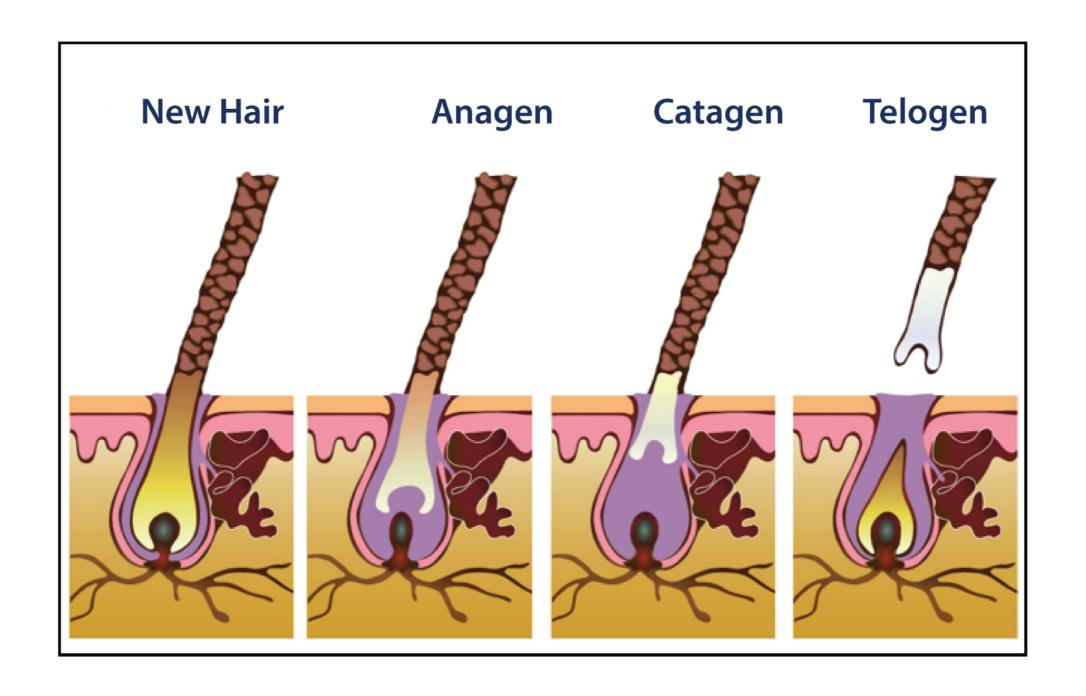
Molecule	%
Protein	70-80
Water	11
Mineral salts	8
Lipids	3
Glucides	0.1 - 0.5





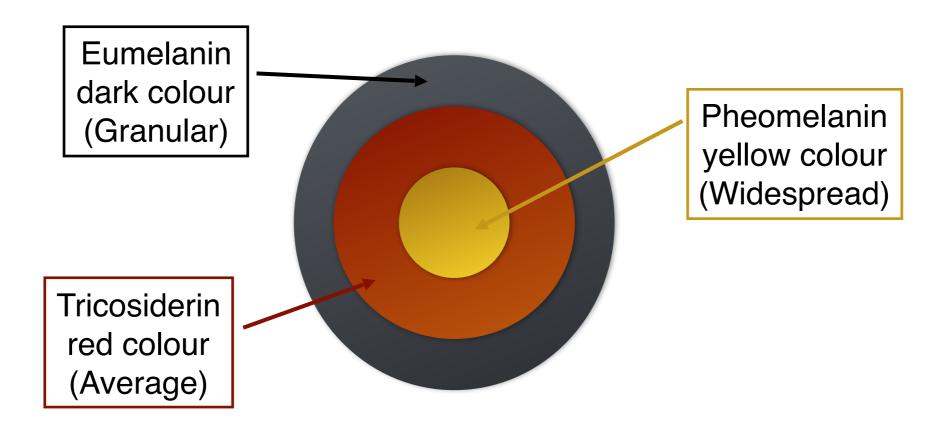


Life cycles of the Hair









	Eumela	nin	Tricosiderin		feo	melaniı	n		neutral							
·										<u> </u>				-		\neg
Black	58%				35%			4%				3%		Δ		
Brown	52%				32%			9%				7%		$/ \setminus$		
Dark Chestnut	46%				30%			14%				10%	6	$/ \setminus$		
Medium Chestnut	40%				27%			19%				14%	6			
Light Chestnut	34%				24%			24%				18%	6			
Dark blond	26%				24%			28%				22%				
Medium blond	20%				21%			33%				26%	T		\int	
Light blond	15%				16%			40%				29%				
Light blond Mo	9%				14%			43%				34%				
Platinum blond	3%		Π		9%	V		51%				37%				
		- 1				V										T



Characteristics of the Hair





- Thick
- Average
- Thin

- Porous
- Hygroscopic + / -
- Refractory
- Curly

- Straight
- Wavy
- Wavy
- Curly



Agents that influence the structure of the Hair





- Mechanical
- Environmental
- Health

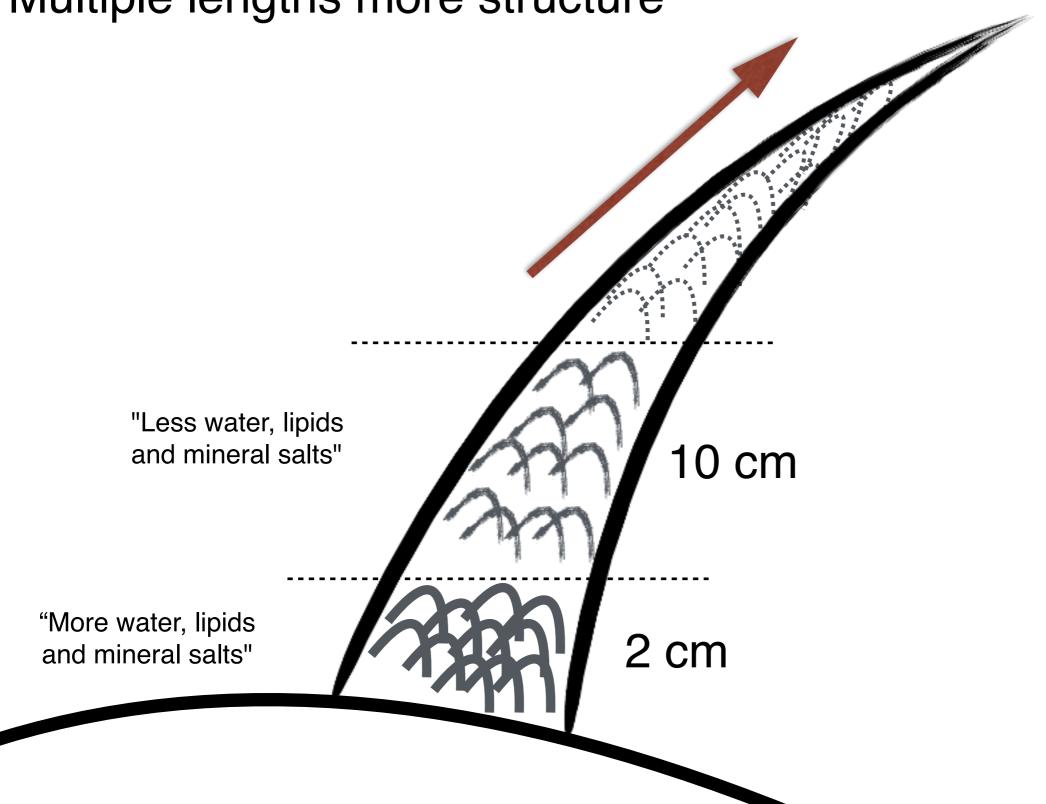
- Temperature
- Humidity

Chemical treatments





"Multiple lengths more structure"





The types of coloring



Direct coloring



Oxidizing coloring









Contains already colored molecules called **Nitrocolotranti**, derivatives of **Nitro-Benzene**

Temporary

<u>Semi-permanent</u>

Shampoo - mousse - liquids

Colored molecules of large dimensions, positively charged, which adhere to the hair through electrostatic bonds

They are not mixed with developers

Duration 1-2 washings

They give mild reflections to natural, grey, white and colored hair, exalting its gloss and shine

Cream - Gel - Mousse

Colored molecules of small dimensions that are deposited among the cuticular scales

They are not mixed with developers

Duration 5-8 washings

They give tone on tone reflections to natural, grey, white and colored hair for toning, maintenance and balancing, repigmentation and customized treatments





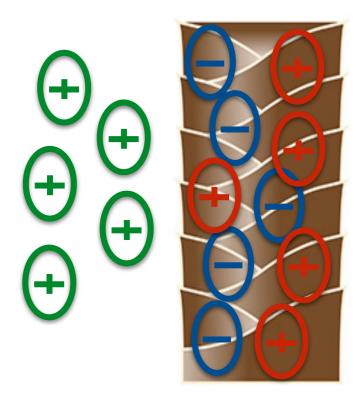


CONT. Not. 1000 made; P. 2008 foz. U.S.

Temporary



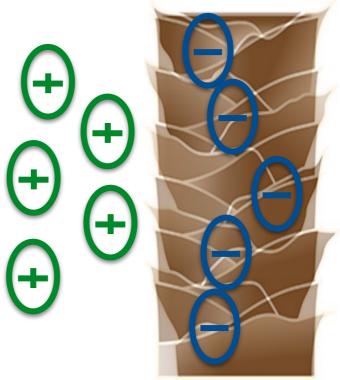
CareForColor



"Reduced quantities of coloring agents that act through electrostatic charges in the outermost part of the hair"

Semi-permanent





"High concentration of coloring agents that act among the cuticle and cortex through electrostatic charges"







Temporary



PERFECTION COLOR SPRAY





PBF COLOR SPECIALIST

Semi-permanent



Molecular Colors



Crazy



GREY HAIR	NATURAL HAIR	COLORED HAIR	LIGHTENED HAIR SUPERBLOND	BLEACHED HAIR



Oxidizing Coloring





provides for the use of coloring creams containing the precursors (bases and couplers) of the color that are activated by mixing with oxidizers

Demi-permanent

Cream - Gel

Less invasive action ammonia-free

Does not lighten and is used at low volumes

Vibrant tone on tone colors, toning, balancing over length, customized treatments partially covers grey hair

Permanent

Cream - Gel

Allows you to obtain any colour more invasive action

With all the concentrations of oxidants

Gives any color to the hair and covers grey hair 100%

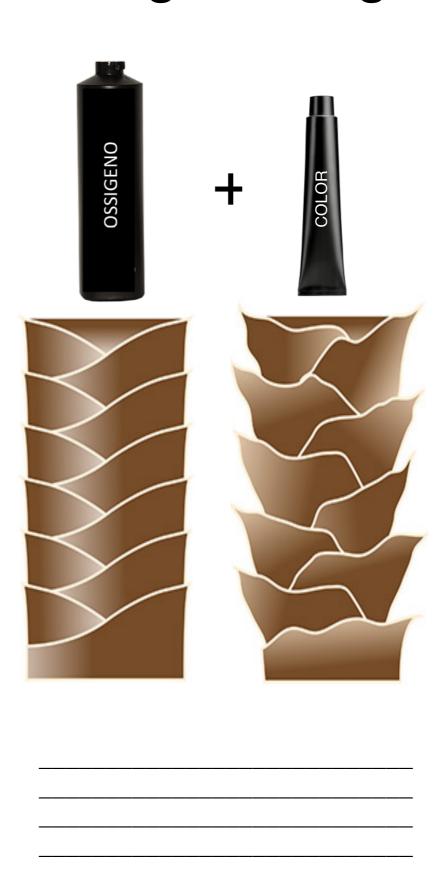


Oxidizing Coloring





•	HYDROGEN PEROXIDE Fluid emulsion with acidic pH, based on hydrogen peroxide stabilized at various volumes PROTECTIVE SUBSTANCES



COMPONENTS
BASE TREATMENT Mix of waxes, oils, alcohols, fats, surfactants
• ALKALIZING AGENTS Substances with pH from 7.1 to 14 The most commonly used:
☐ Ammonia ☐ Monoethanolamine
COLORANTS Micro molecule
• SOLVENTS water, glycols and oils



The Chromatic Scale





- * Cosmetic colour + RPC = Final result
 Roux Porosity Control:
 conditioners and proteins
 - * Dark color prevails over light color
- * Cosmetic color, does not lighten Cosmetic color





The color map



Tonality:

.1 = Ash

.2 = Purple Irisé

.3 = Golden

.4 = Copper

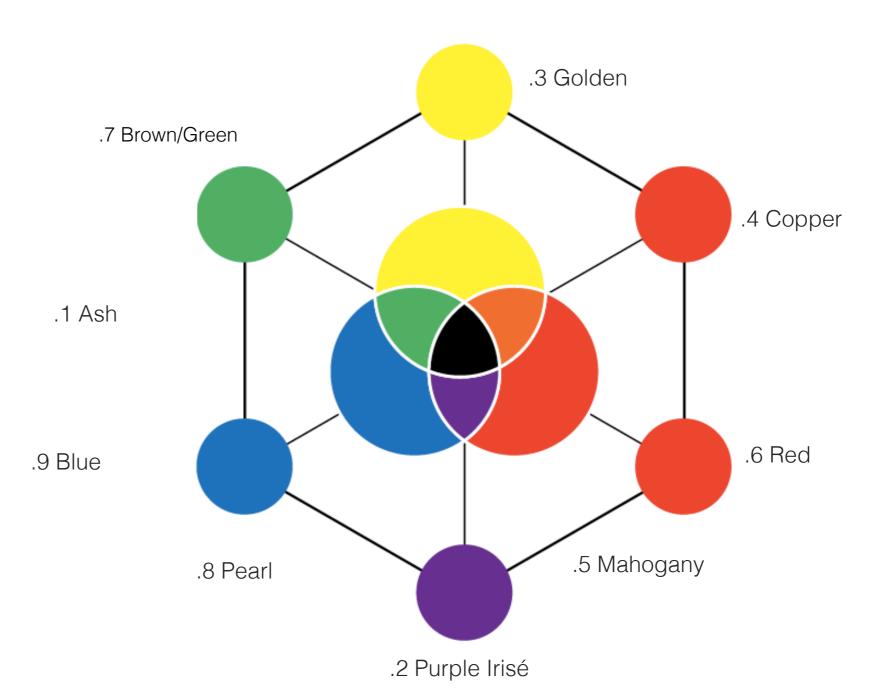
.5 = Mahogany

.6 = Red

.7 = Brown/Green

.8 = Pearl

.9 = Blue

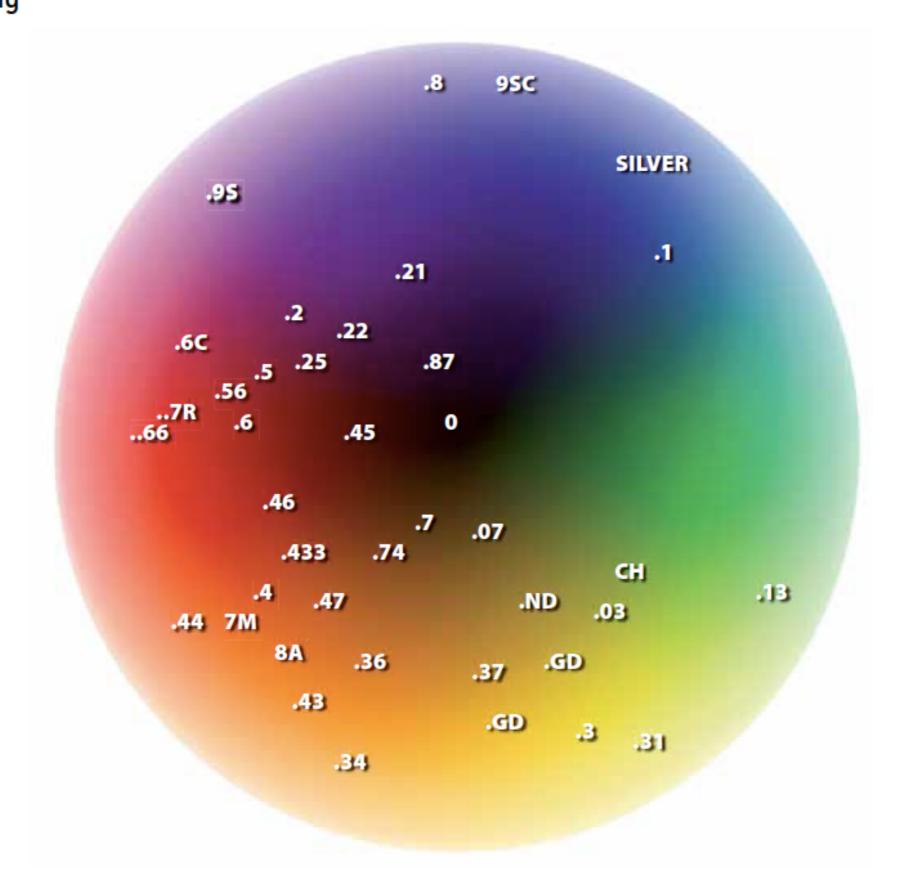




COLOUR WHEEL positioning

Positioning of the LEVEL and TONE(*)









								NEUTRA	L													COPPER	ORANG					R	ED		PURPL	E RED
	4.18			1.9	1	2	4.17	3	4	4.87		4.03			4.74										4 . 5					4 . 65		4.22
ЕР	5.18	5.11	5.1			5.08	5.17	5.13	5	5.87	5.31	5.03	5.3	5.07	5.74		5.47	5.7				5.43			5.5	5.45	5.64	5.66	5.56	5.65	5.62	5.22
DE	6.18		6.1	6.91		6.08	6.17	6.13	6	6.87	6.31	6.03	6.3	6.07	6.74	6.37	6.47			6.14		6.43	6.4		6.46		6.64	6.66	6.56 (6C)		6.62	6.22
	7.18		7.1	7.91		7.08	7.17	7.13	7	7.87		7 . 03	7,3		7.74	7 . 37	7.47				7.433	7.43	7.4	7.44	7.46	7 . 45	7 . 64				7.62	
			8.1	8.9	8.89	8.08	8.17	8.13	8		8.31	8.03	8.3		8.74	8.37			8.34	8.14	8.433		8.4	8.44								
H			9.1	9.29 (9S)	9.89	9.08	9.17		9			9.03	9.3		9.74	9.37			9.34	9.14	9.433			9.44								
LIG				10.9 (9SC)	10 . 89	10,08	10,17		10																			7R				
			11.1		11.89	11.8	10.1EC	11.0	10,EC			10.BEC	10.3EC									7M	7.43 i	0.44				0.66		0.25		0.28
İ								NEUTRA														COPPER	ORANG	E				R	ED		PURPL	E RED



Oxidizing Coloring







PERMANENT COLORING

TECHNOLOGY

M.A.B.

MONOETHANOLAMINE

AMMONIA

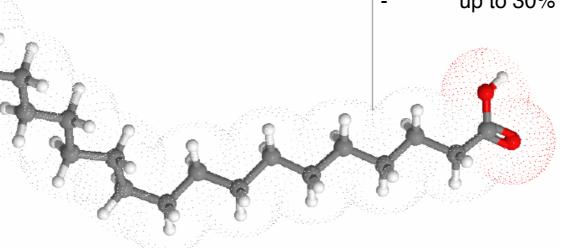
BASE

Technology that allows brightening, depositing and simultaneously adding highlights (in traditional colors the 3 subsequent phases are not simultaneous)

ADVANTAGES

- the three simultaneous phases for the entire processing time guarantee:
 - gradual lightening = more delicate action for the hair
 - increased deposit of pigment and greater duration of the color
 - greater color saturation and intensity of the highlight
- reduced ammonia content (<2% in Absolute; 3.5% in the Superblonds)
- reduced monoethanolamine content (2% in Absolute) that maintains the pH stable for the entire duration of processing for reduced wear on the hair
- maximum coverage of grey hair, 100% natural series and 80/100% highlighting series of ABSOLUTE
 - up to 30% coverage of grey hair SUPERBLOND series
 - greater color retention











Oxidizing Coloring - Permanent

















Superblond

GREY HAIR	NATURAL HAIR	COLORED HAIR	LIGHTENED HAIR SUPERBLOND	BLEACHED HAIR

BY FAMA
THE ITALIAN ART OF COLOR

PBFC DEVELOPER

PBFC SUPERBLOND 1:3 / 45-55 MINUTES PROCESSING TIME

PBFC ABSOLUTE 1:2 / 30 MINUTES PROCESSING TIME

PBFC LUMINITY 1:2 / 30 MINUTES PROCESSING TIME (FROM 5 TO 15 MINUTES FOR TONER)

PBFC TONER 1:2 / 5 - 15 MINUTES PROCESSING TIME

PBFC BLONDE OMBRE' 1:2 / FROM 15 TO 30 MINUTES PROCESSING TIME

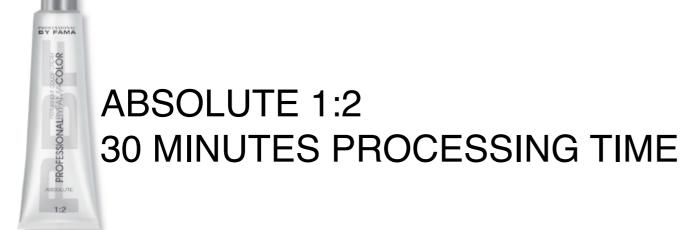


PBF DEVELOPERS	LEVELS OF LIGHTENING: THICK AVERAGE FINE	COVERING GREY	USE
5 VOL. (1.5%)	0> 0	Masking 30-50%	FOR TONING AND DARKENING IDEAL WITH TONER, LUMINITY AND BLONDEOMBRE'
10 VOL. (3%)	0	80-90%	FOR DARKENING
20 VOL. (6%)	1> 2	100%	FOR PERFECT COVERING OF GREY HAIR AND TO LIGHTEN FROM 1 TO 2 LEVELS WITH ABSOLUTE
30 VOL. (9%)	2> 3	80-90%	TO LIGHTEN 2-3 LEVELS
40 VOL. (12%)	3> 4	50-60%	FOR SUPER LIGHTENING UP TO 4 LEVELS



TECHNIQUE FOR PERFECT COVERING OF GREY HAIR:







EXAMPLE A) GOAL 6 NATURAL: PRE-PIGMENTING WITH 7.3 PURE AND THEN APPLY THE ADEQUATE MIXTURE. EXAMPLE A) GOAL 6.1 (COOL): PRE-PIGMENTING WITH 7 NATURAL PURE AND THEN APPLY THE ADEQUATE MIXTURE.



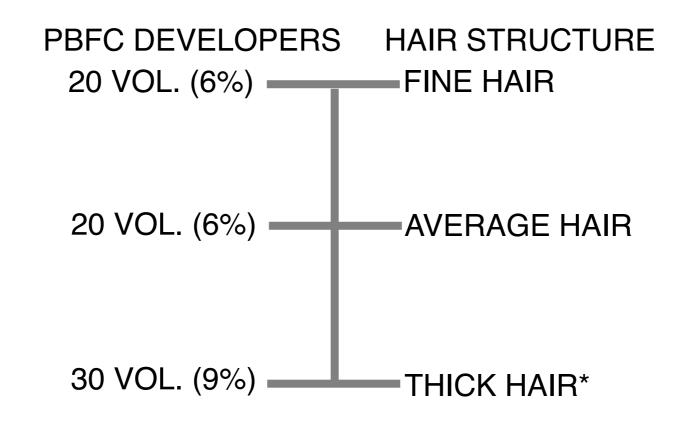
^{*} IN THE CASE OF CIRCUMSCRIBED AND REDUCED AREAS OF GREY HAIR, PRE-PIGMENT THE INTERESTED AREAS WITH THE PURE COLOR OF A HIGHER LEVEL AND A WARMER HIGHLIGHT:

TECHNIQUE FOR PERFECT COVERING OF GREY HAIR:



ABSOLUTE 1:2 30 MINUTES PROCESSING TIME





^{*} IN CASE OF THICK GREY HAIR AND REFRACTORY HAIR, DECREASE THE AMOUNT OF DEVELOPER (10g LESS) AND RAISE THE VOLUMES FROM 20 TO 30, EXAMPLE: 40g OF MIXTURE ABSOLUTE + 70g DEVELOPER 30 VOL. (9%)

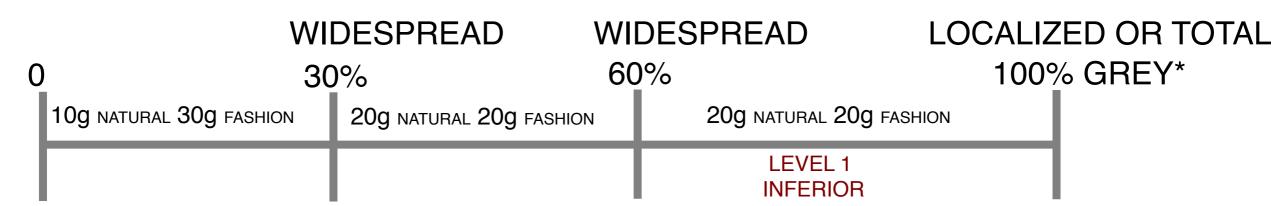


TECHNIQUE FOR PERFECT COVERING OF GREY HAIR:





- LUMINTY1:2
- 30 MINUTES PROCESSING TIME
- , 20 VOL.



EXAMPLE A) GOAL 6 NATURAL: PRE-PIGMENTING WITH 7.3 PURE AND THEN APPLY THE ADEQUATE MIXTURE. EXAMPLE A) GOAL 6.1 (COOL) PRE-PIGMENT WITH 7 NATURAL PURE AND THEN APPLY THE ADEQUATE MIXTURE.



^{*} IN THE CASE OF CIRCUMSCRIBED AND REDUCED AREAS OF GREY HAIR, PRE-PIGMENT THE INTERESTED AREAS WITH THE PURE COLOR OF A HIGHER LEVEL AND A WARMER HIGHLIGHT:



LUMINITY, TONER AND BLONDEOMBRE'



Tube 80ml

DEMI-PERMANENT COLORING
IN OXIDIZING **CREAM GEL**AMMONIA-FREE, WITHOUT LIGHTENING*,
NO EFFECT OF ROOTS SHOWING*

LUMINITY 46 Nuances

TONER
9 Nuances

BLONDEOMBRE'
2 Nuances

BASE FORMULA CREAM GEL

DUAL SYSTEM METHOD

MIX 1:2



Oxidizing Coloring - Demi-permanent

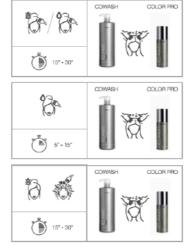




BLEACHED HAIR



NATURAL HAIR





LIGHTENED HAIR

SUPERBLOND

Luminity



GREY HAIR

Blonde Ombré

Toner



PROFESSIONAL BY FAMA

COLORED HAIR



BLONDE SYSTEM



BLEACHING AND LIGHTENING SYSTEM WITH LOW VOLUMES FOR LIGHTENING IN TOTAL SAFETY

BLONDE 2 Lightening cream

to create fashion effects up to 2 levels and to correct color that is too strong tube 80 ml

BLONDE 4 Bleaching cream

On scalp bleach with oil protector for the scalp.

To delicately lighten the lengths and tips
and for hands' free work. DUST FREE
tube 180 ml

BLONDE 6 Bleaching powder

for maximum lightening even with low volumes jar 500 g

BLONDE 7 Bleaching powder

for more intense and fast lightening jar 500 g

LIGHT DESIGNER Lightening liquid

for lightening at the end of service on dry hair 2 200 ml bottles and an applicator



Reaction time with persulphate + alkali + peroxide



LEVELS OF LIGHTENING +



WITH 40 VOLUME 25 MIN

WITH 30 VOLUME 35 MIN

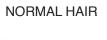
WITH 20 VOLUME 45 MIN

WITH 10 VOLUME 60 MIN

ACTION OF THE PERSULPHATE





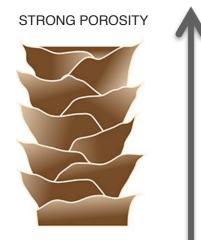












AVERAGE POROSITY



LOW POROSITY



1:1.5

AVERAGE STRONG BLEACHING * NOT RECOMMENDED in skin and foils

1:2

BLEACHING

PICKLING

1:3

LIGHT BLEACHING OR STRONG PICKLING

1:4

PICKLING

1:5 LIGHT PICKLING













Blonde 2

Blonde 4

Blonde 6

Bleaching



GREY HAIR	NATURAL HAIR	COLOURED HAIR	LIGHTENED HAIR SUPERBLOND	BLEACHED HAIR

Blonde 7

COLOR REMOVER CLEANING OF THE COSMETIC COLOR AND REBALANCING OF THE STRUCTURE.



SPECIFIC METHOD OF USE:

- ✓ MIX PRODUCT 1 AND 2 IN EQUAL DOSES
- ✓ APPLY ON DRY OR WASHED AND TOWEL-DRIED HAIR
- ✓ PROCESSING TIME FROM 5 TO 30 MINUTES ALSO UNDER A LIGHT HEAT SOURCE
- √ RINSE THOROUGHLY AND SHAMPOO TWICE
- ✓ APPLY WITH 50g OF 10 VOL. DEVELOPER + 10g OF ABSOLUTE 0 LEAVE IN FOR 3-5 MINUTES, THEN RINSE AND WASH
- ✓ IF YOU WANT TO RECOLOR TONE ON TONE USE MOLECULAR WHICH GUARANTEES AN EXCELLENT RESULT
- ✓ IF YOU USE AN OXIDIZING COLOR, ALWAYS WORK WITH 1 TONE LIGHTER THAN THE GOAL COLOR, processing time generally halved





Color Remover





GREY HAIR	NATURAL HAIR	COLOURED HAIR	LIGHTENED HAIR SUPERBLOND	BLEACHED HAIR



USE ZERO PLUS MOLECULAR IN MIXTURE WITH ABSOLUTE, LUMINITY, TONER, BLONDEOMBRE' AND/OR BLONDE 2-4-6-7:







✓ AFTER YOU HAVE RINSED THE COLOR DO A COWASH SHAMPOO

APPLY HAIR MASK INFUSION FOR 5 MINUTES AND RINSE

USE COLOR PRO INSTANT HAIR MASK WITHOUT RINSING



TRANSPARENT
CONCENTRATED HYPER
RESTRUCTURING OF
K-PRO





- ✓ 2g EVERY 10g OF POWDER OR CREAM OF THE BLONDE SERIES
- ✓ AFTER HAVING RINSED THE BLEACH USE THE SHAMPOO SAVE MY BLONDE
- ✓ APPLY HAIR MASK INFUSION FOR 5 MINUTES AND RINSE
- ✓ USE COLOR PRO INSTANT HAIR MASK WITHOUT RINSING





USE ZERO PLUS MOLECULAR TO REGENERATE DAMAGED AND FINE HAIR:



- ✓ WASH HAIR WITH THE APPROPRIATE SHAMPOO FROM THE "CAREFORCOLOR" LINE: *BROWN, BLONDE, RED, GREY&WHITE*
- ✓ APPLY *0 PLUS* ON ALL HAIR AND ALLOW IT TO REACT FOR 5 TO 25 MINUTES, THEN RINSE
 - APPLY HAIR MASK INFUSION FOR 5/10 MINUTES AND RINSE
 - APPLY COLOR PRO INSTANT HAIR MASK WITHOUT RINSING







ZERO PLUS

TRANSPARENT
CONCENTRATED HYPER
RESTRUCTURING OF
K-PRO

TED HYPER

% of use

GREY HAIR	NATURAL HAIR	COLOURED HAIR	LIGHTENED HAIR SUPERBLOND	BLEACHED HAIR
		_		
	_		_	

