

Natural DSL

pressable lithium silicate ceramic for full ceramics restorations



CERAMIC CATALOG ver. 1.00



DENTAL CERAMIC



ITALIAN STYLE

Natural[®]
CERAMIC
SYSTEM
CE 0546

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Natural[®]

DSL

HT

LF

ZiR

MicroLayer

Stains

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NATURAL CERAMIC SYSTEM

FULL RANGE OF CERAMICS MATERIALS

The Natural Ceramic System (NCS for short) is the Italian ceramic system produced by Tressis Italia.

A ceramic system, that is a set of ceramic materials which, interacting with each other, allow the aesthetic layering of the ceramic on any structure: from zirconia to alloy, from micro-layering on monolithic zirconia to the characterization of integral ceramics.

The ceramic system is characterized by a common layering method for all the ceramic lines that make it up.

NCS develops on the basis of the support on which the ceramic layering takes place; in addition, there are universal

accessory products to complete the system.

The four Natural ceramic families are called HT, LF, ZiR and DSL and are easily recognizable based on the color of the label.

The list of masses, with their respective identifying colors, is shown in the index of each manual and catalog of Natural ceramics.

The Natural ceramic lines are divided as follows:

Natural HT: high-fusion ceramic for both precious and non-precious traditional alloys.

Natural LF: low fusion ceramic for universal (high expansion) alloys.

Natural ZiR: special ceramic for layering on zirconia and lithium silicate.

Natural DSL: lithium silicate for integral pressing of inlays, veneers, single elements and front bridges up to 3 elements.

Each of the ceramic families has its own line of pellets for pressing, whose composition is similar and compatible with the respective layering ceramic.

To complete NCS, there are accessory product lines such as stains, glazes and materials for micro-layering, which can be used in combination with the aforementioned ceramic lines.

Natural CRYSTAL: line of universal gel masses for

microstratification on zirconia, lithium silicate and HT metal-ceramic.

Natural GLAZE FX: line of traditional and fluorescent glazes, available in powder, paste and spray.

Natural LIQUID: line of liquids for all uses and for modeling in different degrees of plasticity.

Natural Stains: range of universal, highly fluorescent, powder and paste stains.

DSL
Natural® **HT**
LF
ZiR
Stains

DESCRIPTION OF THE PRODUCT

Natural DSL are high strength glass ceramic based pressable ingots.

The coloring was performed on the basis of Tressis universal special shades (1, 2, 3), in three degrees of opacity (150, 160, 170).

Natural DSL is intended for dental applications and for use by qualified professionals.

The mechanical strength and optical properties qualify Natural DSL to press all single ceramic restorations (anterior and molar crowns, veneers, inlays, partial crowns / onlays)

and three-unit anterior bridges, three-unit premolar bridges including the second premolar such as terminal pillar.

Carefully observe all minimum wall thicknesses and connector cross sections.

Pressed objects can be completed in the layering or staining technique: with Natural ZiR for ceramic layering and Natural Stains & Glaze FX for the staining technique.

TECHNICAL DATA

CHEMICAL COMPOSITION: SiO_2 , Li_2O , K_2O , Al_2O_3 , ZnO , ZrO_2 , P_2O_5				
PHYSICAL PROPERTIES	UNIT OF MEASURE	DETECTED VALUE	ISO REFERENCE VALUE	
CTE DSL PELLETS (25-500°C)	$\times 10^{-6} \times \text{K}^{-1}$	10.0	---	
SOLUBILITY	$\mu\text{g} / \text{cm}^2$	<40.0	ISO 6872 <100	
3 POINTS FLEXURAL STRENGTH	MPa	350	ISO 6872 ≥ 300	
CLASSIFICATION	TYP 2	CLASS 3A	ISO 6872:2019	

WARNING FOR HANDLING

The Natural DSL ceramic system is made up of a range of high resistance press-pellets.

Natural DSL dental ceramic for Press-Casting is NOT suitable for pressing on alloys.

IMPORTANT NOTE:

Natural DSL is for dental use only.

Natural DSL in Press Pellets is compatible with Natural ZiR Ceramic powder for layering, and vice versa.

Natural DSL is compatible with the Natural STAINS line of stains, with the Natural LIQUIDS line of liquids and with the Natural CRYSTAL line of masses for micro-layering.

WARNINGS AND CONTRAINDICATIONS:

Combination with materials other than the mentioned Natural Ceramic products and / or materials from foreign manufacturers.

Realization of restorations not mentioned.

Fabrication of restorations with wall thicknesses and connector cross sections smaller than those mentioned.

Dental ceramic and all-ceramic restorations made of glass ceramic are not recommended for patients with bruxism or parafunction or patients with substantially reduced residual dentition.

TECHNICAL WARNINGS:

Dental ceramics.

Processing must only be carried out by qualified personnel.

During the processing of dental restorations (finishing, cleaning), dust and fragments can be released.

Protect eyes and respiratory tract by avoiding breathing dust.

During processing, the use of a vacuum cleaner, protective goggles and mask is recommended.

Given the diversity of ovens available on the market, the cooking conditions could be different. It is recommended that these variances in temperatures be taken into account.

All temperatures indicated are approximate values only, perform a cooking test before starting to work.

Avoid contact of the material with skin, eyes and mucous membranes.

The structures modeled in wax to be pressed with Natural DSL must be made with waxes suitable for the die-casting technique without titanium dioxide (TiO₂). The use of traditional modeling waxes can lead to discoloration and breakage.

The cleaning of the spatulas and brushes used in processing must be scrupulous. Any external impurity can have negative effects on cooking. Danger of contamination.

Pay attention during the high temperature firing process and during the die casting process of the artifacts. Danger of burns. Use pliers and gloves.

The reuse of pressing residues is not recommended: risk of discoloration, impurities, stress and breakage.

INVESTMENT WARNING:

The use of the T-Vest 2000 coating or other specific coating for lithium silicate presses is recommended.

The coating contains quartz powders. Do not breathe the dust.

If necessary wear a protective mask.

Carefully read the instructions for use of the coating before use.

Follow the instructions provided by the coating manufacturer.

STORAGE WARNINGS:

Storage in a dry place is recommended.

The ceramic material is synthetic, free of organic components and, in common storage conditions, does not undergo variations from temperature, sun, environmental humidity, etc; the possible drying of the paste product may take place over time, but does not affect the quality of the product: it will be sufficient to use the suitable liquid to restore the original consistency.

If properly stored, the product does not expire.

This document is only an illustrative catalog of the product range.

Before using the product, refer to the instructions for use.



RANGE 150+

PRESS PELLETS 151, 152 AND 153

Natural DSL Press Pellets 150+ is the line of low-opacity ingots in universal color.

The 150+ ingots have an approximate 40% opacity, high translucency and fluorescence.

The physical characteristics make the 150+ pads suitable for any type of full restoration:

- veneers (veneers);
- cosmetic veneers;
- single front elements;
- rear single elements;
- inlays (inlays);
- onlays;
- 3/4 rear crowns;
- 3-unit bridges (up to the second premolar);

The chromatic and optical

characteristics of the 150+ ingots make them suitable for the following types of restoration:

- non-discolored abutments;
- clear restorations;
- low value restorations;
- subtle restorations;
- restorations in the incisal area.

Depending on the desired final effect and the type of restoration, the 150+ ingots can be finalized with:

- Natural Stains and surface painting technique;
- Natural CRYSTAL and micro-layering technique;
- Natural ZiR and traditional layering masses.

The 150+ ingots are very translucent with an effect similar to enamel, therefore they can also be finalized with only the superficial coloring, if the clinical case allows it.

Natural DSL 150+ ingots can be divided by color according to the desired final result in the following conversion scale:

- 151 for light colors, high value and low chromaticity; (A0, A1, A2, B0, B1, C1, D2)
- 152 for intermediate shades with high value and slight chromaticity; (A3, B2, B3, C2, D3)
- 153 for darker colors with low value and high chromaticity. (A3.5, A4, B4, C3, C4, D4)



DSL 151 3gr. x 5 Pellets 41 62 07 090

DSL 152 3gr. x 5 Pellets 41 62 07 091

DSL 153 3gr. x 5 Pellets 41 62 07 092

RANGE 160+

PRESS PELLETS 161, 162 AND 163

Natural DSL Press Pellets 160+ is the line of medium opacity ingots in universal color.

160+ ingots have an approximate 60% opacity, high translucency and fluorescence.

The physical characteristics make 160+ ingots suitable for any type of full restoration:

- veneers (veneers);
- cosmetic veneers;
- single front elements;
- rear single elements;
- inlays (inlays);
- onlays;
- 3/4 rear crowns;
- 3-unit bridges (up to the second premolar);

The chromatic and optical properties of the 160+ ingots make them suitable for the following types of restoration:

- slightly discolored abutments;
- clear restorations;
- high value restorations;
- thin restorations;
- restorations in dentinal areas.

Depending on the desired final effect and the type of restoration, the 160+ ingots can be finalized with:

- Natural Stains and surface painting technique;
- Natural CRYSTAL and micro-layering technique;
- Natural ZiR and traditional layering masses.

Except in specific cases, the technique of layering and / or micro-layering of the ceramic in the vestibular and incisal area is recommended to increase the aesthetic effect of the restoration.

Natural DSL 160+ ingots can be divided by color according to the desired final result in the following conversion scale:

- 161 for light colors, high value and low chromaticity; (A0, A1, A2, B0, B1, C1, D2)
- 162 for intermediate shades with high value and slight chromaticity; (A3, B2, B3, C2, D3)
- 163 for darker colors with low value and high chromaticity. (A3.5, A4, B4, C3, C4, D4)



DSL 161 3gr. x 5 Pellets 41 62 07 161

DSL 162 3gr. x 5 Pellets 41 62 07 162

DSL 163 3gr. x 5 Pellets 41 62 07 163

RANGE 170+

PRESS PELLETS 171, 172 AND 173

Natural DSL Press Pellets 170+ is the line of medium opacity tablets in universal color.

The 170+ ingots have an approximate 85% opacity, high translucency and fluorescence.

The physical characteristics make the 170+ ingots suitable for any type of full restoration:

- veneers (veneers);
- cosmetic veneers;
- single front elements;
- rear single elements;
- inlays (inlays);
- onlays;
- 3/4 rear crowns;
- 3-unit bridges (abutment up to the second premolar);

The chromatic and optical characteristics of the 170+ pads

make them recommended for the following types of restoration:

- discolored abutments;
- light and dark restorations;
- high and low value restorations;
- subtle restorations;
- restorations in dentinal area.

Depending on the desired final effect and the type of restoration, the 170+ ingots can be finalized with:

- Natural Stains and surface painting technique;
- Natural CRYSTAL and micro-layering technique;
- Natural ZiR and traditional layering masses;

With the 170+ ingots, the technique of layering and / or

micro-layering in the vestibular and incisal area is recommended, to make the restorations more vital and increase the effect of depth and three-dimensionality of the elements.

Natural DSL 170+ ingots can be divided by color according to the desired final result in the following conversion scale:

- 171 for light colors, high value and low chromaticity; (A0, A1, A2, B0, B1, C1, D2)
- 172 for intermediate shades with high value and slight chromaticity; (A3, B2, B3, C2, D3)
- 173 for darker colors with low value and high chromaticity. (A3.5, A4, B4, C3, C4, D4)



DSL 171 3gr. x 5 Pellets 41 62 07 171

DSL 172 3gr. x 5 Pellets 41 62 07 172

DSL 173 3gr. x 5 Pellets 41 62 07 173

INDICATIONS ON CERAMIC FIRINGS

NATURAL CRYSTAL - STAINS - ZIR

As indicated on the previous pages, restorations made with Natural DSL ceramic can be finalized in different ways, depending on the desired result and the ingot used.

As previously reported, three working methods can be used, each with some more advantageous aspects and others less so, for the finalization of the restoration; we will analyze, technique by technique, which are the rewarding aspects and which are the criticalities to manage in the processing:

PAINTING

The painting technique with Natural Stains powder and / or paste super-colors is, on the one hand, the simplest and fastest method to finalize a restoration pressed with Natural DSL.

The coloring technique allows you to slightly vary the chromaticity and value of the restoration, characterizing it according to the desired result; this technique does not create depth, especially in the dentinal area, therefore it is recommended with more translucent and slightly opaque pads.

It is sufficient to spread a small amount of Natural Liquid Stains & Glaze on the element to be painted to reduce the surface tension, dry the excess with air, and proceed to paint the restoration as needed (fig. 1A).

After spreading the colors on the surface of the element, it is recommended to carry out a color fixing firing at a low temperature to block the colors and have a preview of the final

result, the firing of

shade fixing can be repeated several times without the risk of changing the shape or value of the pressed restoration.

Once the desired characterization of the restoration has been achieved, the Glaze firing can be carried out with any of the Natural Glaze FX glazes: Glaze FX in PASTE is recommended for all-ceramic restorations.

MICRO-LAYERING

Natural CRYSTAL micro-layering materials are the most advanced tool today to finalize an integral ceramic restoration, with good simplicity and a wide range of possible results.

The micro-layering technique allows to individualise an all-ceramic restoration in a

fig. 1A

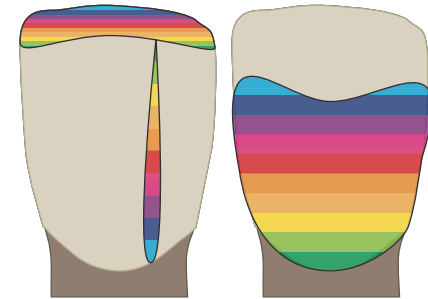


fig. 1B Collegamento CRYSTAL



substantial way: in addition to modifying chromaticity and value, it will also be possible to intervene on aspects such as surface texture and shape of the restoration.

For processing with Natural Crystal micro-layering masses, we recommend reading the specific instructions for use, which can be downloaded from the website www.naturalceramic.it, or by scanning the QR CODE shown (fig. 1B).

LAYERING

The layering technique with Natural ZiR ceramic masses is the most complex method from a technical point of view but also the most performing both from the aesthetic and functional side: in fact, it allows to modify, even by wrapping it, both the chromaticity and the morphology of the pressed restoration.

The ceramic technician is reminded that traditional ZiR

LINER masks should NOT be used on all-ceramic restorations.

Instead, it is recommended to use the DS Special Liner as the first firing on the all-ceramic structure, spreading a thin layer over the whole element, without creating puddles or thicknesses.

It is also remembered to maintain a ratio of 2/3 and 1/3 between pressed ceramic, 2/3 of the total volume of the restoration, and stratified 1/3 of the final volume of the restoration (fig. 1C).

The Natural ZiR layering materials must be used in accordance with the indications in the Natural ZiR manual, which can be downloaded from the website www.naturalceramic.it, or by scanning the QR CODE shown (fig. 1D).

ATTENTION:

all-ceramic is very sensitive to high temperatures: if the temperature is too high, the shape could change, making the

restoration no longer suitable for the preparation and the closures made in the dentist's office with the preparation. To obtain a good firing of the layered masses, keep the final temperature low and increase the holding time.

To access the instructions for using the Natural DSL ceramic, visit the website www.naturalceramic.it, or scan the QR CODE shown (fig. 1E).

ATTENTION:

It is recommended that you read the operating manuals (INSTRUCTIONS FOR USE) of Natural CRYSTAL, Natural DSL and Natural ZiR ceramics completely before starting the processing of a restoration with the Natural DSL ceramic die-casting technique.

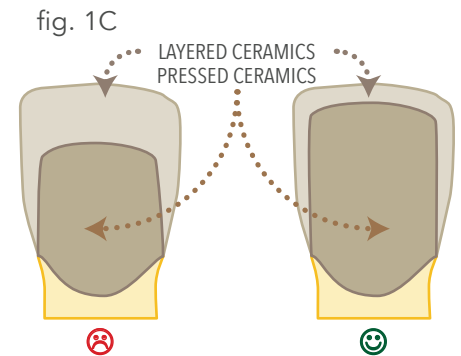


fig. 1C

fig. 1D Link to Natural ZiR



fig. 1E Link to Natural DSL



TRESSIS ITALIA BRANDS

TRESSIS ITALIA TRADEMARKS

Tressis Italia, a leading company in the dental sector, specializes in the production of dental ceramics and in the development of innovative products.

The strength of Tressis Italia is based above all on the quality of the product which derives from a deep knowledge of the materials.

Innovation has become a tradition in the philosophy of our work: technical and scientific progress, new materials, new technologies are challenges that see us at the forefront.

Our dynamism leads us to promptly identify the needs of the changing market, managing to offer operators in the sector products that anticipate change.

Tressis Italia has developed the Natural Ceramic System, one of the most complete and innovative in the sector, bringing new generation highly

performing materials to the dental ceramics branch.

Our flagships: • the complete range with over 200 masses for traditional layering and an exceptional series of special masses; • THE ONE monomass for metal and zirconia, launched on the market well over 10 years ago as an absolute novelty ; • The materials for micro layering on monolithic zirconia and lithium disilicate MiLa, Frame, Overla, MAC and the CRYSTAL method with the innovative Micro Layering System technique;

In addition to the porcelain masses, Tressis Italia has developed the Natural Stains universal stains that can be used with all the highly fluorescent Natural ceramic lines. The working temperature range is very wide, and the Stains retain their color after numerous firings.

The Tressis Italia Natural Ceramic System is complemented by the Glaze FX range of glazes. Universal glazes, usable with all Natural ceramic lines, which meet all needs: normal powder, normal paste, highly fluorescent paste, highly sprayable fluorescent.

The original products developed by Tressis Italia in over 20 years of activity have seen countless attempts at imitation, which have remained far from our level of

excellence, 100% made in Italy.

Tressis Italia is now synonymous with innovation, research, functionality, simplicity, style and beauty.

Tressis Italia has brought to the dental sector a ceramic range of extraordinary technical, aesthetic and functional value, at the same time simple and fast as time requires.

Tressis Italia owns the following brands:

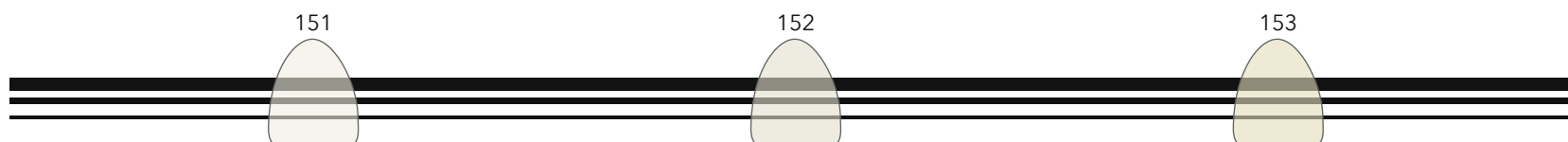


NATURAL DSL CHARTS

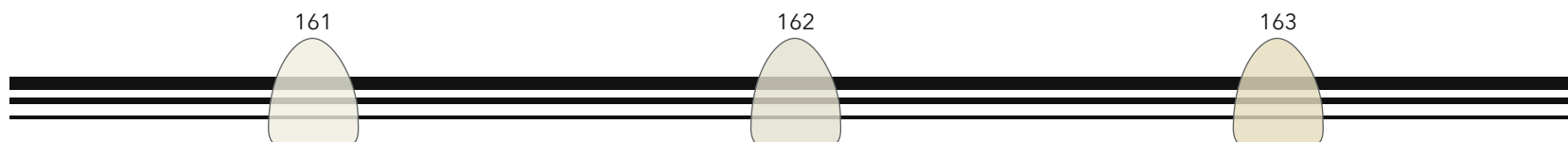
CHART FOR NATURAL DSL

PRESS PELLETS CHART_____	pag. 14
PRESS PELLETS COMBO_____	pag. 15
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NATURAL STAINS COLOR RANGE CHART_____	pag. 24
NATURAL STAINS PASTE CHART_____	pag. 25

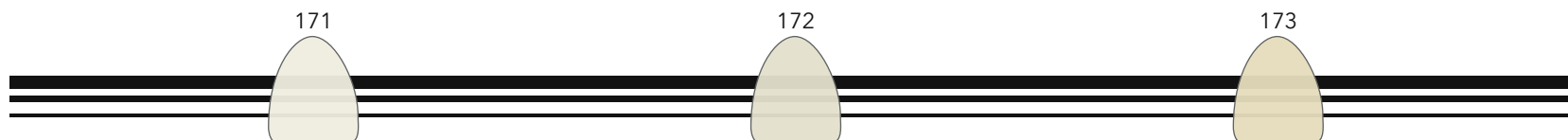
DSL PRESS PELLETS
RANGE 150+ (Opacity approx. 40%)



DSL PRESS PELLETS
RANGE 160+ (Opacity approx. 60%)



DSL PRESS PELLETS
RANGE 170+ (Opacity approx. 85%)



- www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it



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DENTAL CERAMIC

ITALIAN STYLE

REF 41 TABZR 010 -1

	A0	A1	A2	A3	A3,5	A4	B0	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
151	V	V	V				V	V				V				V		
152				V					V	V			V				V	
153					V	V					V			V	V			V

Natural DSL Press Pellets range 150+

Low opacity (40% approx) ideal for making aesthetic veneers, full crowns on natural abutments. *

Suitable for both the layering technique with Natural ZiR ceramic and for the surface staining technique with Stains and Natural Stains glaze. **

	A0	A1	A2	A3	A3,5	A4	B0	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
161	V	V	V				V	V				V				V		
162				V					V	V			V				V	
163					V	V					V			V	V			V

Natural DSL Press Pellets range 160+

Intermediate opacity (60% approx) ideal for making aesthetic veneers, full crowns on natural abutments, even slightly discolored, and implants. *

The layering technique with Natural ZiR ceramic is recommended to finalize the highly aesthetic result. **

	A0	A1	A2	A3	A3,5	A4	B0	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
171	V	V	V				V	V				V				V		
172				V					V	V			V				V	
173					V	V					V			V	V			V

Natural DSL Press Pellets range 170+

High opacity (85% approx) ideal for making aesthetic veneers, full crowns on discolored natural abutments and implants. *

The layering technique with Natural ZiR ceramic is recommended to finalize the highly aesthetic result. **

GENERAL RECOMMENDATIONS:

* different conditions of the natural abutments and / or underlying implants in correlation to the available thickness can lead to very different results: the choice of the tablet to be pressed must always take into account the available spaces, the abutments and the position in the oral cavity.

** the choice of stratifying or painting the pressed elements is to be made according to the aesthetic needs of the individual case. As a general rule, the more opaque pads have a greater need to perform layering and layering in the enamel area than the more translucent ones; value, hue, thickness and underlying structure are determining factors in this choice.

It is ALWAYS recommended to press the complete anatomical elements and then perform a cut-back with a RED SHARK sintered diamond bur to create spaces for layering the ceramic.

It is recommended to carefully read the instructions for use for proper management of all processing phases such as, for example, modeling, pinning, preheating etc.

- www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it - www.naturalceramic.it



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DENTAL CERAMIC

ITALIAN STYLE

REF 41 TABZR 020 -1

FURNACE	WEIGHT OF THE CYLINDER	START TEMP.	RATE BAR	HEAT RATE	FINAL TEMP.**	HOLD TIME	INJECTION TIME	VACUUM START	NOTE ***
	grammi	°C		°C / min.	°C	min.	min:sec	°C	
F1 Master Press	100	700	20	60	920	15	7:00	700	VACUUM LEVEL set to MAX
F1 Master Press	200	700	20	60	920	25	3:00	700	VACUUM LEVEL set to MAX
DEKEMA* Press-i-Dent*	100	700	--	60	910	18	AUTO1	700	PRESS LEVEL 5
DEKEMA* Press-i-Dent*	200	700	--	60	915	20	AUTO1	700	PRESS LEVEL 5
DENTSPLY* Multimat NTXpress*	100	700	--	60	930	15	3:00	700	----
DENTSPLY* Multimat NTXpress*	200	700	--	60	950	18	3:00	700	---
IVOCLAR* Programat*	100	700	--	60	900	18	3:00	700	Set "E VALUE" to E600
IVOCLAR* Programat*	200	700	--	60	915	20	3:00	700	Set "E VALUE" to E600
UGIN*	100	700	--	60	900	15	3:00	700	---
UGIN*	200	700	--	60	930	18	3:00	700	---
Whip Mix* Pro Press 100*	100	700	--	60	930	20	7:00	700	Set PRESSION VALUE to 4,5 BAR
Whip Mix* Pro Press 100*	200	700	--	60	930	20	7:30	700	Set PRESSION VALUE to 4,5 BAR
ZUBLER* adv. Press	100	700	--	60	910	18	3:00	700	Set PRESSION LOW
ZUBLER* adv. Press	200	700	--	60	915	20	3:00	700	Set PRESSION LOW

* All the commercial names shown are not the property of Tressis Italia, but are the property of their legitimate owners

ATTENTION: the Natural DSL ingots have a weight of 3 grams each, different from the traditional 2 gram ingots, therefore they require a special teat and pistons.

DO NOT USE the teat or the pistons of the 2 gram pads, you risk breaking the cylinder and serious damage to the oven.

ATTENTION: the temperatures shown were determined using a F1 Master Press oven and are intended as indicative.

It is recommended to carry out a test press to calibrate the temperatures before carrying out the first works.

To determine the correct "Final Temperature" for your oven, it is advisable to make variations of +/- 5°C at a time, longer intervals reduce the possibility of a correct calibration.

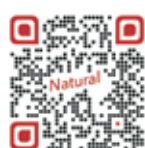
The "Final Temperature" may vary from oven to oven (even of the same brand) based on the model, update and age of the oven itself.

For other brands / types of oven not mentioned, temperatures may need to be changed.

IT IS STRONGLY RECOMMENDED to always use the 200 gram cylinder and the use of disposable refractory pistons T Vest Plungers x3.

The use of alumina pistons is not recommended.

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DENTAL CERAMIC

ITALIAN STYLE

REF 41 TABZR 020 -2

PRESS PELLETS FIRING CHART FOR F1 FURNACES

FURNACE	IDLE TEMPERATURE	ENTRY TEMPERATURE	...	FIRE 3 RATE	FIRE 3 TEMPERATURE	FIRE 3 TIME	PRESS TIME	PRESS RATE	STOP SPEED	VACUUM RUN TEMPERATURE	VACUUM STOP TEMPERATURE	VACUUM STOP TIME	NOTE
	°C	°C	...	°C / min.	°C	min.	min.	...	...	°C	°C	min.	
F1 DIGITAL Press 1 x 100gr	680	700	...	60	920	15:00	7:00	20	300	700	940	-	Program for pressing one pellet in a 100 gr. cylinder
F1 DIGITAL Press 2 x 100gr	680	700	...	60	920	25:00	7:00	20	300	700	940	-	Program for pressing one pellet in a 200 gr. cylinder
FURNACE	IDLE TEMPERATURE	ENTRY TEMPERATURE	...	FIRE 2 RATE	FIRE 2 TEMPERATURE	FIRE 2 TIME	PRESS TIME	PRESS RATE	STOP SPEED	VACUUM RUN TEMPERATURE	VACUUM STOP TEMPERATURE	VACUUM STOP TIME	NOTE
	°C	°C	...	°C / min.	°C	min.	min.	...	...	°C	°C	min.	
F1 MASTER Press 1 x 100gr	680	700	...	60	920	15:00	7:00	20	300	700	940	-	Program for pressing one pellet in a 100 gr. cylinder
F1 MASTER Press 2 x 100gr	680	700	...	60	920	25:00	7:00	20	300	700	940	-	Program for pressing one pellet in a 200 gr. cylinder

ATTENTION: Natural DSL pads weigh 3 grams each and require special teat and pistons.

There may be slight differences in the final temperature based on the update, wear and general state of the oven; it is advisable to carry out a test press to calibrate the temperatures before carrying out the first works.

It is RECOMMENDED to always use the 200 gram cylinder and the disposable T-Vest Plungers x3, refractory pistons specific for lithium silicate.

The use of alumina pistons is not recommended.

Under certain conditions the F1 FURNACES ovens are able to press 2 tablets in a 200 g cylinder, for more information contact Tressis Italia.

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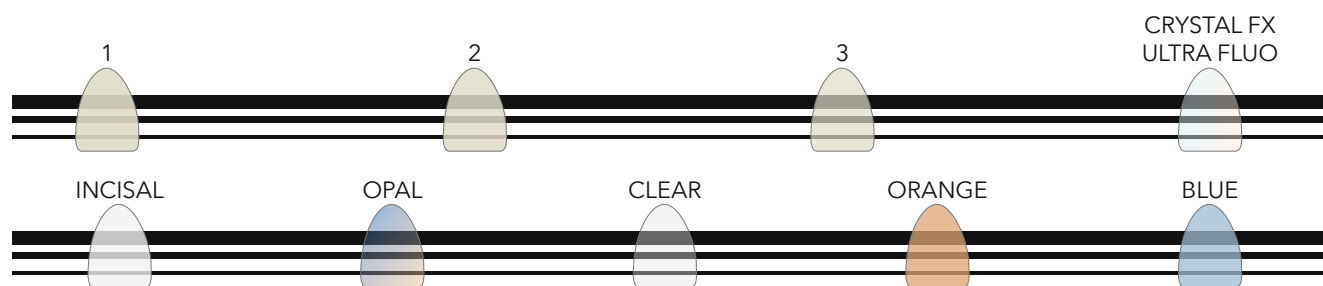
DENTAL CERAMIC

ITALIAN STYLE

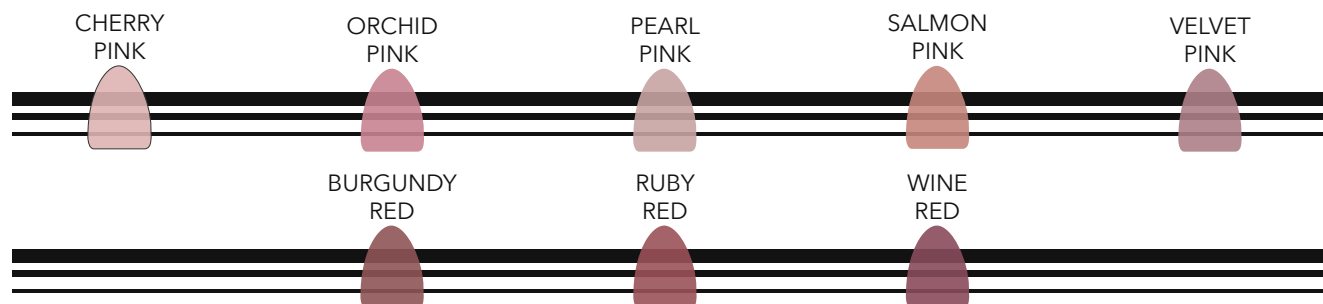
REF 41 TABZR 020 -2



CRYSTAL LIVE! PASTE SHADES -EXTREME FLUORESCENCE-



CRYSTAL GUM PASTE SHADES -GINGIVAL MASSES-



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DENTAL CERAMIC



ITALIAN STYLE

REF 01 TABUN 011 -1

PROGRAM NAME	DRY TIME MIN	CLOSING TIME MIN	START TEMPERATURE °C	HEAT RATE °C/MIN	FINAL TEMPERATURE °C	HOLD TIME MIN	VACUUM START °C	VACUUM STOP °C	OPENING TIME MIN	NOTES
CRYSTAL 1&2 -ZiR	03:00	03:00-06:00	400	45	770	02:00	670	770	05:00	Firing program for MONOLITHIC ZIRCONIA, the firing result should be bright, shiny without bleaching the zirconia structure
CRYSTAL 1&2 -DSL	03:00	03:00-06:00	400	45	770	01:00	670	770	05:00	Program for LITHIUM SILICATE, modify HOLDING TIME and FINAL TEMPERATURE according to the indications of the Lithium Silicate manufacturer. DO NOT OVERHEAT.
COLOR FIXING	03:00	03:00-06:00	400	45	700	01:00	670	700	05:00	Program to fix colors and prevent mixing; can be performed countless times until the desired result is achieved, finish with CRYSTAL FX glazing program
GLASURA CRYSTAL FX	03:00	03:00-06:00	400	45	750	01:00	-	-	05:00	Program to be used ONLY with CRYSTAL FX glaze to obtain the maximum result of brilliance and shine. To change the glossy effect, vary the temperature $\pm 5^{\circ}\text{C}$ at a time

VERY IMPORTANT NOTE:

CRYSTAL CERAMIC is a special ceramic in paste for micro-layering, SET the **VACUUM START and VACUUM STOP VALUES** as shown in the table, firing the CRYSTAL ceramic without correctly setting the vacuum values can lead to discoloration and dull results / whitish or unsatisfactory.

NOTE: CRYSTAL 1 & 2 ZiR is a program that can be used with any monolithic zirconia and zirconia-ceramic restoration. The FINAL TEMPERATURE must be modified to obtain a smooth, shiny and silky surface without lightening the zirconia framework.

CRYSTAL 1 & 2 DSL is a program that can be used with integral lithium silicate and lithium silicate restorations layered with Natural ZiR ceramic. To obtain a brilliant and shiny result, modify the FINAL TEMPERATURE parameters, consulting the specifications of the lithium silicate manufacturer. DO NOT OVERHEAT!

ATTENTION: All the parameters shown refer to the firing of a single crown or a small bridge; for long, circular bridges, very large restorations and / or many elements in a single firing, it is recommended to increase DRY TIME and CLOSING TIME up to 6/8 minutes.

ATTENTION: All temperatures have been calibrated using an F1 Digital Fire oven. To obtain a satisfactory result, the age, state of service, wear and updating of your oven must be taken into account. IT IS RECOMMENDED TO CARRY OUT A TRIAL FIRING BEFORE STARTING TO WORK.

TIP: Before the first use of the product and / or if you change the type or brand of zirconia, it is recommended to carry out a trial firing of the framework to see if it bleaches.

* END VACUUM: for IVOCLAR ovens and similar, set the END VACUUM temperature 1 ° C lower than the FINAL TEMPERATURE in order to carry out the HOLDING TIME in the atmosphere.

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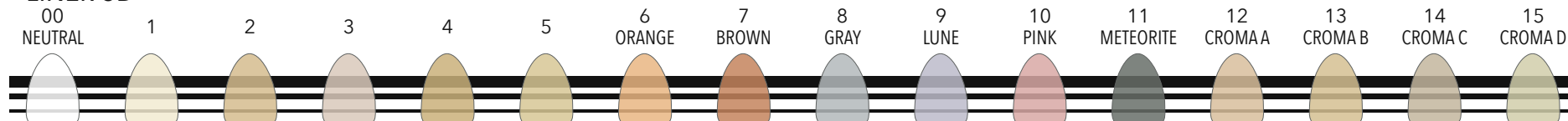
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DENTAL CERAMIC

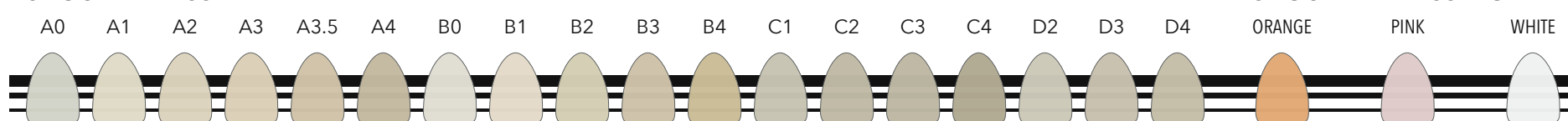
ITALIAN STYLE

REF 01 TABUN 011 -1

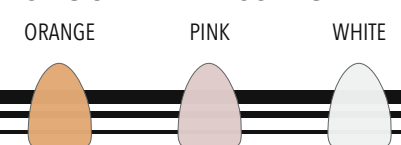
LINER 3D



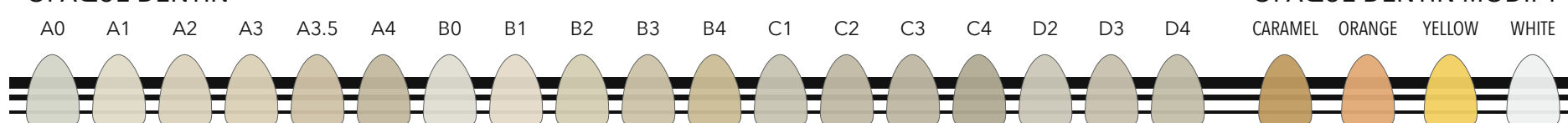
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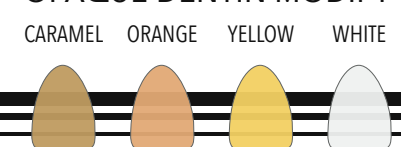
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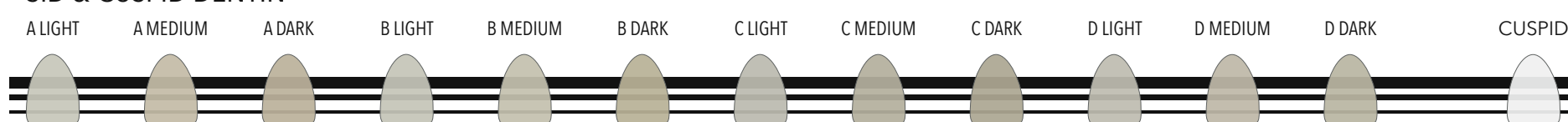
OPAQUE DENTIN



OPAQUE DENTIN MODIFY



SID & CUSPID DENTIN



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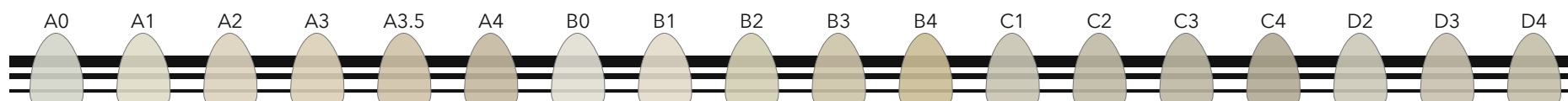
DENTAL CERAMIC



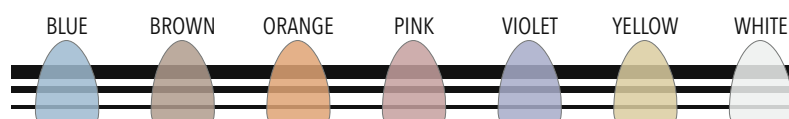
ITALIAN STYLE

REF 31 TABZR 010 -1

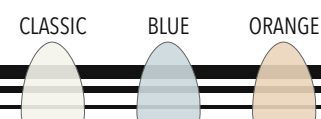
DENTIN



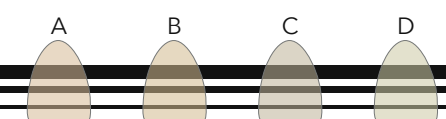
DENTIN MODIFY



BODY DENTIN



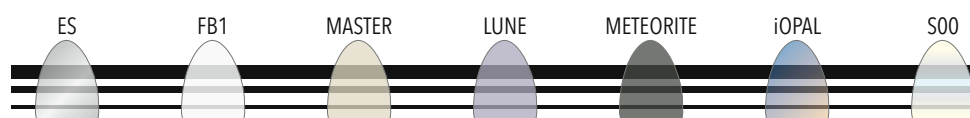
CROMATIZER



ENAMEL



ENAMEL SPECIAL



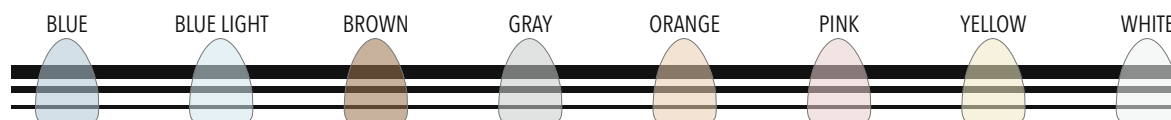
TRANSPARENT NECK



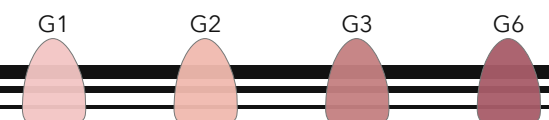
CORRECTION



TRANSPARENT COLOR



GINGIVAL



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DENTAL CERAMIC

ITALIAN STYLE

REF 31 TABZR 010 -2

A - D COLOR RANGE	A0	A1	A2	A3	A3,5	A4	B0	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Liner	01	01	02	02	02	04	01	01	01	02	02	01	03	03	04	01	05	05
Liner COLOR	NEUTRAL				ORANGE		BROWN			GRAY			LUNE			PINK		
Liner CROMA	A						B				C				D			
Shoudler Mass	A0	A1	A2	A3	A3,5	A4	B0	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Shoudler Mass MODIFY	WHITE						ORANGE						PINK					
Gengival	G1					G2				G3					G6			
SiD Dentin	A LIGHT			A MEDIUM		A DARK	B LIGHT		B MEDIUM		B DARK	C LIGHT		C MEDIUM	C DARK	D LIGHT	D MEDIUM	D DARK
Cuspid Dentin	CUSPID																	
Dentin Opaque	A0	A1	A2	A3	A3,5	A4	B0	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Dentin Opaque MODIFY	WHITE					ORANGE			BROWN					CARMEL				
Dentin	A0	A1	A2	A3	A3,5	A4	B0	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
Dentin MODIFY	WHITE		YELLOW		ORANGE		BROWN			PINK			VIOLET			BLUE		
Enamel	S1	S1	S2	S2	S4	S4	S1	S1	S2	S3	S4	S2	S2	S3	S4	S1	S2	S3
Enamel SC	SC57	SC57	SC58	SC59	SC59	SC60	SC57	SC57	SC59	SC59	SC59	SC60	SC59	SC59	SC60	SC60	SC59	SC59
Enamel SPECIAL	LUNE			METEORITE			ES			FB1			iOPAL			00		
Enamel OPAL	S60					S59			S58					S57				
Trasparent	NEUTRAL						CLEAR											
Trasparent COLOR	YELLOW		ORANGE		WHITE			GRAY			BLUE		LIGHT BLUE			PINK		
Trasparent NECK	YELLOW									ORANGE								
Cromatizer	A						B				C				D			
Body Dentin	CLASSIC						ORANGE					BLUE						
Correction Mass	Correction Dentin									Correction Enamel								
Glaze FX	GLAZE FX Powder				GLAZE FX Paste				GLAZE FX Paste FLUORESCENT				AIR GLAZE FX Spray FLUORESCENT					

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DENTAL CERAMIC

ITALIAN STYLE

REF 31 TABZR 020 -2

PROGRAM	DRY TIME	CLOSE TIME	START TEMP.	SATURATION *	HEAT RATE	FINAL TEMP.**	VACUUM START	VACUUM STOP	HOLD TIME	NOTE ***
	min	min	°C	min	°C / min	°C	°C	°C	min	
Liner 1st & 2nd	4 - 6	6	450	1	60	1020	450	1020	2	"DRY TIME" and "CLOSE TIME" may change for span bridges or if many items are fired at once.
Liner Special DS	4 - 6	6	400	1	45	800	450	800	1	To be used only on LITHIUM SILICATE.
Shoulder Mass 1st & 2nd	2 - 4	6	400	1	45	860	405	860	1	Use only Liquid for Shoulder Masse.
SiD & Cuspid Dentin	2 - 4	4	400	1	45	850	405	850	1	"DRY TIME" and "CLOSE TIME" may change for span bridges or if many items are fired at once.
Dentin 1st	2 - 4	4	400	1	45	800 - 840	405	800 - 840	1	"DRY TIME" and "CLOSE TIME" may change for span bridges or if many items are fired at once.
Dentin 2nd	2 - 4	4	400	1	45	790 - 830	405	790 - 830	1	SECOND FIRING should be -10°C lower than FIRST FIRING.
Correction Masse	2 - 4	4	400	1	45	730	405	730	1	Correction Masse firing program for pure usage, if mixed with other layering powders it lowers their final temperature.
Stains Fixing	2 - 4	4	400	0	45	700	405	700	1	After firing, stains should appear glossy and shiny, increase DRY TIME for bigger restorations.
Stains Firing	2 - 4	4	400	0	45	750	405	750	1	After firing, stains should appear glossy and shiny, increase DRY TIME for bigger restorations.
Glaze FX	4 - 6	2	400	0	45	770	NO	NO	1	To be used only with paste GLAZE FX, suitable both for layering and press ceramic

PROGRAM	INGOTS		START TEMP.		HEAT RATE	FINAL TEMP.	HOLD TIME	PRESS TIME	PRESSION	NOTE ****
	n°		°C		°C / min	°C	min	min	BAR	
Up to 0,6 gr.	1		700		60	900	30	6 - 8	4,5	Wax weight max 0,6 grams sprues included
From 0,6 gr to 1,4 gr.	2		700		60	910	30	10 - 12	4,5	Wax weight within 0,6 and 1,4 grams sprues included

GENERAL INFORMATIONS:

All the data shown are indicative and must be modified according to specific cases (long bridges, circular bridges, many items at once, etc.).

We recommend a good drying before starting the firing cycle; we also recommend also slow oven opening and slow cooling.

* SATURATION:

This program can only be run from ovens equipped with this function; ask your oven manufacturer for more information.

** FINAL TEMPERATURE:

FINAL TEMPERATURE can change according to the furnace used, depending on furnace brand, model, use and update!
If FIRST FIRING is carried out at 840°C, SECOND FIRING should be carried out at 830°C; if FIRST FIRING is carried out at 810°C, SECOND FIRING should be carried out at 800°C.
For IVOCLAR brand ovens and similar, set VACUUM STOP 1°C lower than the FINAL TEMPERATURE, so as to carry out the HOLD TIME without vacuum.

*** NOTE:

All the parameters in this table have been defined using an F1 DIGITAL PRESS oven; manufacturer, type, age, updating and overall status of the oven can cause the data shown here to vary, even considerably.
It is recommended to carry out a test firing before starting the actual work.
Should changes be made to the programs, it is recommended to make small changes ($\pm 10^\circ\text{C}$) at a time.

**** PRESS NOTE:

The use of the X1 investment cylinder is never recommended, in any case, not even for single restorations.
The use of disposable pistons in refractory material is recommended.

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DENTAL CERAMIC



ITALIAN STYLE

REF 31 TABZR 020 -2

POWDER LOW FLUORESCENCE

METEORITE
012

LIGHT BLUE
018

POWDER FLAT

BROWN
508

WHITE
513

POWDER HIGH FLUORESCENCE

ORANGE
106

CHOCOLATE
109

WHITE
113

PINK
114

BLUE
119

BLACK
120

ORANGE
123

GRAY
126

PASTE HIGH FLUORESCENCE

YELLOW
601

SAFARI
607

BROWN
608

VIOLETT
611

METEORITE
612

WHITE
613

PINK
614

DEEP PURPLE
615

RED PASSION
616

LONDON
617

BLUE
619

BLACK
620

ATLANTIC BLUE
621

SAND
622

ORANGE
623

GRAY
626

LUNE
628

POWDER CROMA HIGH FLUORESCENCE

A

B

C

D

PASTE CROMA HIGH FLUORESCENCE

A

B

C

D

PASTE CROMA LIGHT HIGH FLUORESCENCE

A

B

C

D

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ITALIAN STYLE

REF 01 TABUN 010 -1



UNIVERSAL STAINS PASTE

Natural[®] stains

CE 0546

COLOR PASTE HIGH FLUORESCENCE

YELLOW
601



SAFARI
607



BROWN
608



VIOLETT
611



METEORITE
612



WHITE
613



PINK
614



DEEP PURPLE
615



RED PASSION
616



LONDON
617



BLUE
619



BLACK
620



ATLANTIC BLUE
621



SAND
622



ORANGE
623



GRAY
626



LUNE
628



CROMA PASTE HIGH FLUORESCENCE

A



B



C



D



CROMA LIGHT PASTE HIGH FLUORESCENCE

A LIGHT



B LIGHT



C LIGHT



D LIGHT



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DENTAL CERAMIC



ITALIAN STYLE

REF 01 TABUN 010 -2

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pressable lithium silicate ceramic for full ceramics restorations



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