

NATURAL DSL PRESS PELLETS CHART

150+ UNIVERSAL LOW OPACITY (OPACITY APPROX ±45%)



160+ UNIVERSAL MEDIUM OPACITY (OPACITY APPROX ±60%)



170+ UNIVERSAL HIGH OPACITY (OPACITY APPROX ±75%)



SPECIAL ULTRA WHITE (OPACITY APPROX ±90%)



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DENTAL CERAMIC

 ITALIAN STYLE

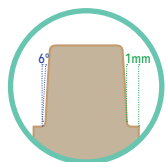
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Natural
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 0546

NATURAL DSL INFORMATION TABLE FOR FULL-CERAMIC STRUCTURES

| TYPE OF PROCESSING | RESTORATION AREAS | VENEERS | INLAY | ONLAY | SINGLE CROWN | | THREE ELEMENT BRIDGE | |
|--|---------------------------------------|--|-------|-------|--|------|----------------------|--------------------|
| | | | | | FRONT | REAR | FRONT | PREMOLAR |
| PRESS & STAIN Pressed with Natural DSL pellets and surface coloring with Natural Stains stains | VESTIBULAR, LINGUAL and INTERPROXIMAL | 0,30 - 0,60 | 1,00 | 1,50 | 1,20 | 1,50 | 1,20 | 1,50 |
| | INCISAL and OCCLUSAL | 0,40 - 0,70 | 1,00 | 1,50 | 1,50 | 1,50 | 1,50 | 1,50 |
| PRESS & MICRO-LAYER Pressed with Natural DSL pellets and micro-stratification with Natural CRYSTAL paste ceramic | VESTIBULAR, LINGUAL and INTERPROXIMAL | 0,60 | -- | 1,50 | 1,20 | 1,50 | 1,20 | 1,50 |
| | INCISAL and OCCLUSAL | 0,40 | -- | 0,80 | 0,40 | 0,80 | 0,80 | 0,80 |
| PRESS & LAYER Pressed with Natural DSL pellets and layered with Natural ZIR ceramic powder | VESTIBULAR, LINGUAL and INTERPROXIMAL | -- | -- | -- | 0,60 | 0,60 | 0,80 | 0,80 |
| | INCISAL and OCCLUSAL | -- | -- | -- | 0,60 | 0,80 | 0,80 | 0,80 |
| BASIC PRINCIPLES OF PROCESSING | CROSS SECTION of the CONNECTOR | -- | -- | -- | -- | -- | 16 mm ² | 16 mm ² |
| | MAXIMUM WIDTH of the BRIDGE ELEMENT | -- | -- | -- | -- | -- | 11,00 | 9,00 |
| | RULES for PREPARATION | CHAMFER, ROUNDED SHOULDER or 90° SHOULDER ROUNDING ALL SHARP EDGES | | | CHAMFER, ROUNDED SHOULDER or 90° SHOULDER, ANATOMICAL REDUCTION of ELEMENTS ROUNDING ALL SHARP EDGES | | | |

all measurements are expressed in MILLIMETERS



GENERAL WARNINGS: The finishing preparations are NOT indicated for integral ceramic restorations; with the exception of the cosmetic veneers, which are not subjected to masticatory load, but have only aesthetic functions.

In the shoulder preparation, a circular sulcus depth of about 1mm is recommended and the angle of the preparation must be at least 6°; all axial and occlusal edges must be rounded.

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NATURAL DSL COMBO CHART

| | A00 | A0 | A1 | A2 | A3 | A3.5 | A4 | A5 | B00 | B0 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D2 | D3 | D4 |
|-------------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 150 | - | 151 | 151 | 151 | 152 | 152 | 152 | 152 | - | 151 | 151 | 151 | 152 | 152 | 151 | 151 | 152 | 152 | 151 | 152 | 152 |
| 160 | - | 160 | 160 | 161 | 162 | 162 | 163 | 163 | - | 160 | 161 | 162 | 162 | 163 | 160 | 162 | 163 | 163 | 161 | 162 | 163 |
| 170 | - | 170 | 171 | 171 | 172 | 172 | 173 | 173 | - | 171 | 171 | 172 | 172 | 173 | 171 | 172 | 173 | 173 | 171 | 172 | 173 |
| ULTRA WHITE | IWS | HO | HO | - | - | - | - | - | IWS | HO | HO | - | - | - | HO | - | - | - | HO | - | - |

Natural DSL Press Pellets 150 series:

These are low-opacity universal colors (approximately 45% opacity) used for restoring the enamel area on both vital and non-dyscolored abutments. They can be utilized for creating cosmetic veneers, veneers, full crowns, and inlays. It is recommended to finalize the restoration using the painting technique with Natural Stains and/or micro-layering with Natural CRYSTAL.

Natural DSL Press Pellets series 160:

These pellets offer universal colors with intermediate opacity (approximately 60% opacity). They are suitable for restorations in the dentin and enamel area on vital, non-dyscolored, and slightly discolored stumps. Similar to the 150 series, they can be used for cosmetic veneers, veneers, full crowns, and inlays. The recommended approach for finalizing the restoration involves layering technique with Natural ZiR and/or micro-layering with Natural CRYSTAL.

Natural DSL Press Pellets series 170:

These pellets provide universal colors with high opacity (approximately 75% opacity). They are suitable for restorations on any type of natural stump, including devitalized and discolored ones. Like the previous series, they can be used for cosmetic veneers, veneers, full crowns, and inlays. The recommended finalization method is the layering technique with Natural ZiR and/or micro-layering with Natural CRYSTAL.

Natural DSL Press Pellets ULTRA WHITE series:

These pellets offer ultra-white colors with very high opacity (approximately 90% opacity). They are ideal for creating off-scale, very white restorations on any type of stump, whether natural or otherwise. The high-brightness HO tablets are recommended for creating bleach elements (A0 and B0) when a significant color change of the abutment is required. The tablets with very high fluorescence and brightness (IWS tablets) are suitable for making ultra-white, highly bright elements that are whiter and brighter (with less gray) than the bleach colors (A0 and B0). Due to the high opacity of the pads, it is recommended to perform incisal stratification with Natural ZiR ceramic and/or micro-layering with Natural CRYSTAL, if feasible in the case.

WARNING: Natural DSL pads should only be used for bridges of up to a maximum of three units, extending to the second premolar. It is important to carefully read and adhere to the warnings regarding minimum thicknesses and dimensions of the connections as provided.

WARNING: All Natural DSL pressed tablets can be colored using Natural Stains, layered with Natural ZiR powdered ceramic, and/or micro-layered with Natural CRYSTAL paste ceramic, depending on the specific case.

WARNING: The condition of the abutments and the thickness of the restoration can affect the final result. Different conditions and thicknesses may yield varying outcomes.

WARNING: Always maintain the proportion of 2/3 pressed ceramic and 1/3 layered (or micro-layered) ceramic.

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NATURAL DSL PRESSING TEMPERATURE CHART - ANY FURNACE

| FURNACE | CYLINDER SIZE | START TEMPERATURE | THERMAL GRADIENT | FINAL ** TEMPERATURE | HOLDING TIME | INJECTION TIME | PRESSION | VACUUM START | NOTE to the DIE CASTING [^] |
|-------------------------------|---------------|-------------------|------------------|----------------------|--------------|----------------|---------------|--------------|--------------------------------------|
| | Gr. | °C | °C / min | °C | min | min | BAR | °C | |
| DEKEMA* Press-i-Dent* | 100 | 700 | 60 | 910 | 18 | AUTO 1 | PRESS LEVEL 5 | 700 | Program only for 100gr cylinder |
| DEKEMA* Press-i-Dent* | 200 | 700 | 60 | 915 | 20 | AUTO 1 | PRESS LEVEL 5 | 700 | Program only for 200gr cylinder |
| DENTSPLY* Multimat NTX press* | 100 | 700 | 60 | 930 | 15 | 3:00 | - | 700 | Program only for 100gr cylinder |
| DENTSPLY* Multimat NTX press* | 200 | 700 | 60 | 950 | 18 | 3:00 | - | 700 | Program only for 200gr cylinder |
| IVOCLAR* Programat* | 100 | 700 | 60 | 900 | 18 | 3:00 | - | 700 | Set the "E" value to E600 |
| IVOCLAR* Programat* | 200 | 700 | 60 | 915 | 20 | 3:00 | - | 700 | Set the "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 | 4.5 | 700 | - |
| WHIP MIX* Pro Press 100* | 200 | 700 | 60 | 930 | 20 | 7:30 | 4.5 | 700 | - |
| ZUBLER* adv. Press* | 100 | 700 | 60 | 910 | 18 | 3:00 | - | 700 | Set the PRESSURE value to LOW |
| ZUBLER* adv. Press* | 200 | 700 | 60 | 915 | 20 | 3:30 | - | 700 | Set the PRESSURE value to LOW |

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ATTENTION: Natural DSL tablets weigh 3 grams each, different from the traditional 2 gram tablets, therefore they require a special teat and pistons.

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

ATTENTION: the temperatures shown were determined using a Tressis Italia srl F10 Master Press oven and are to be understood as indicative. It is recommended to carry out a test pressing to calibrate the temperatures before carrying out the first jobs.

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 correct calibration.

**** WARNING:** 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 oven brands / types not mentioned, it may be necessary to change the temperatures.

^ WARNING: 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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NATURAL DSL PRESSING TEMPERATURE CHART - F10 FURNACES

| FURNACE MODEL | CYLINDER SIZE | TEMPERATURE IDLE | 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 |
|-------------------|---------------|------------------|-------------------|-------------|--------------------|-------------|------------|------------|------------|------------------------|-------------------------|------------------|--|
| | Gr. | °C | °C | °C / min. | °C | min. | min. | -- | -- | °C | °C | min. | |
| F10 DIGITAL PRESS | 100 | 680 | 700 | 60 | 920 | 15:00 | 7:00 | 20 | 300 | 700 | 940 | - | Program for pressing ONLY one (1) ingots with a 100gr cylinder |
| F10 DIGITAL PRESS | 200 | 680 | 700 | 60 | 920 | 25:00 | 7:00 | 20 | 300 | 700 | 940 | - | Program for pressing one (1) or two (2) ingots with a 200gr cylinder |
| | | | | | | | | | | | | | |

| FURNACE MODEL | CYLINDER SIZE | TEMPERATURE IDLE | 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 |
|------------------|---------------|------------------|-------------------|-------------|--------------------|-------------|------------|------------|------------|------------------------|-------------------------|------------------|--|
| | Gr. | °C | °C | °C / min. | °C | min. | min. | -- | -- | °C | °C | min. | |
| F10 MASTER PRESS | 100 | 680 | 700 | 60 | 920 | 15:00 | 7:00 | 20 | 300 | 700 | 940 | - | Program for pressing ONLY one (1) ingots with a 100gr cylinder |
| F10 MASTER PRESS | 200 | 680 | 700 | 60 | 920 | 25:00 | 7:00 | 20 | 300 | 700 | 940 | - | Program for pressing one (1) or two (2) ingots with a 200gr cylinder |
| | | | | | | | | | | | | | |

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