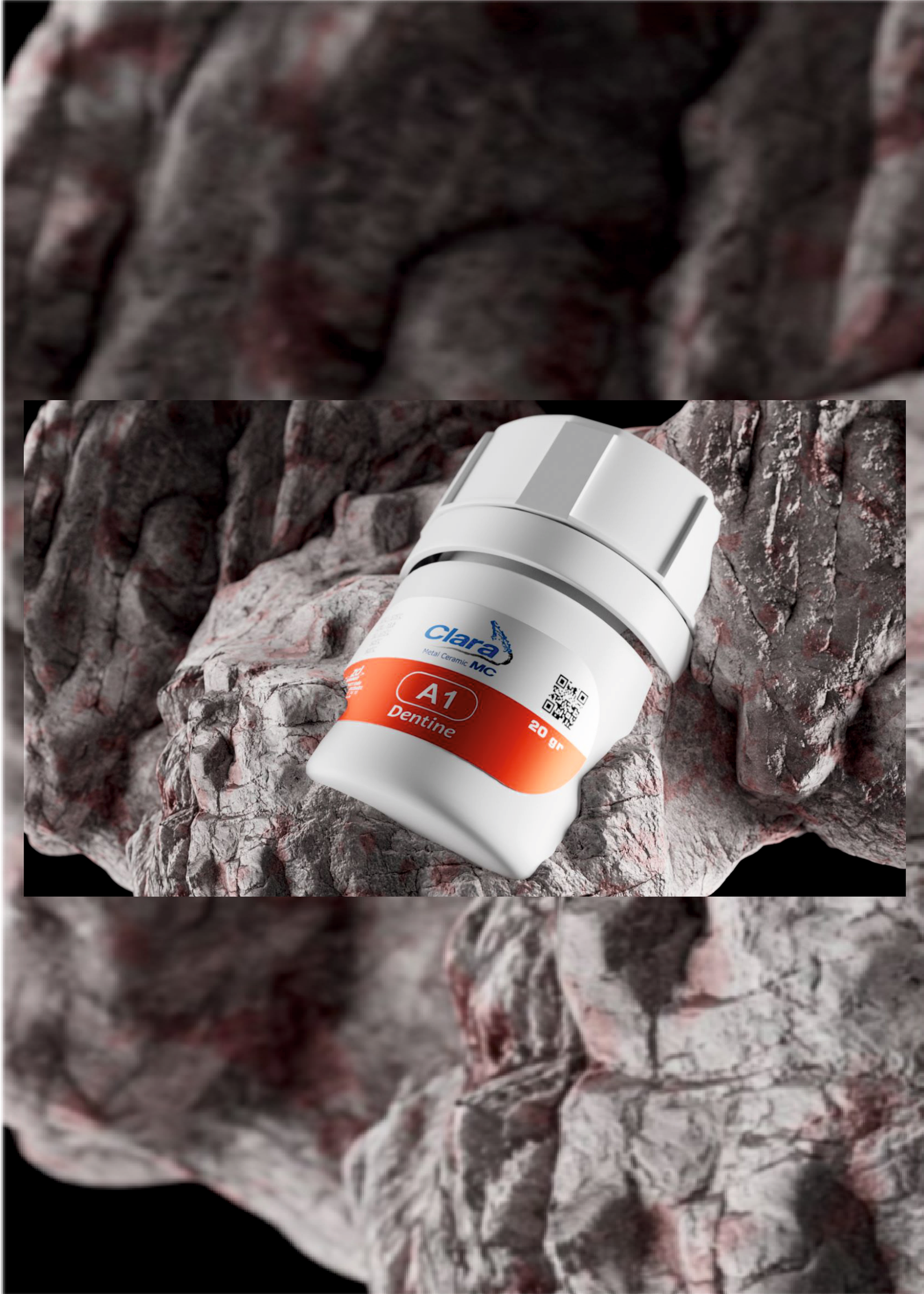
Clara

Ceramic Powders Systems

CLARA METAL CERAMIC

PRODUCT CATALOGUE

MC


Clara
Metal Ceramic MC
A1
Dentine
20 gr



About ZERODENT

Zerodent takes firm and confident steps forward to it’s deal of being a leader in the industry thanks to it’s import, export, dentist and laboratory consumables production and marketing experience of 11 years in the dental sector.

Clara MC – technically refined and inspired by nature. Better than ever more brilliant than ever: Clara MC is a highfusing metal-ceramic with unique optical and physical properties that has developed constantly in line with growing aesthetic demands – recognised worldwide for over 11 years!

Clara porcelain powder and opaque powder , manufactured by taking aesthetics and durability to the forefront, is produced as the world's strongest mineral powder by virtue of the new generation Nano Grinding Technology.

The material has higher added value compared to it’s competitors thanks to it’s excellent color harmony, high chroma, density and 13.8-14.9 thermal expansion coefficient.

It’s product range is rather vast with approximately 230 products and has a variety of effects which can respond to all kinds of works.

Clara porcelain powder demonstrates excellent performance against cracking and removal by virtue of it’s high value of MP which has for sensitive works such as laminate, inlay and onlay applications. The material shows high resistance even in 3 micron thickness by virtue of the new generation nanotechnology and doesn't reject it’s opaqueness even under intense light by adding a natural depth to short-distance works thanks to the high chromum density.

Our company, among to further innovation, quality and continuous healthy service, takes firm and confident steps in line with it’s journey.

Mixing Chart **Standard MC** – Vita* 3D

Vita 3D Master	CLARA MC	Ratio	Opaque	Enamel	Note
1M1	BD-1 + D-D2	1:1	A1	E1	
1M2	D-A1 + D-A2	5:1	A2	E2	
2L1,5	D-A1 + D-C3	6:1	A2	E2	
2L2,5	D-B2 + D-D4	1:2	B2	E3	
2M1	BD-1 + D-D2 + E5	1:4:1	A2	E2	
2M2	D-A1 + D-A4 + D-D4	6:1:1	A3	E2	
2M3	D-B2 + D-B4	1:1	B3	E3	
2R1,5	D-A1 + ET-3 + E5	3:1:1	D3	E3	
2R2,5	D-A2 + D-C3	8:1	A2	E3	
3L1,5	D-A1 + D-C3	1:2	D4	E3	
3L2,5	D-B4 + D-A3 + E5	4:1:1	B3	E4	
3M1	D-A1 + NT-3 + ET-5	3:2:1	A2	E4	
3M2	D-D3 + D-A4	4:1	D3	E4	
3M3	D-B4 + D-A3 + ET-3	4:1:2	B3	E4	
3R1,5	D-C1 + NT-5 + E5	4:1:3	A2	E4	
3R2,5	D-B3 + NT-3	3:1	A4	E4	
4L1,5	D-C3 + NT-3	5:1	D3	E4	
4L2,5	D-A4 + D-C4 + NT-4	5:2:1	C4	E4	
4M1	D-A2 + NT-5 + ET-5	5:1:3	C2	E4	
4M2	D-A3 + NT-3 + ET-5	2:1:1	A3	E4	
4M3	D-A4 + NT-4	5:2	A4	E4	
4R1,5	D-D3 + NT-5 + ET-5	3:1:1	D3	E4	
4R2,5	D-A4 + NT-5 + E5	2:1:1	A4	E4	
5M1	D-D3 + NT-5 + ET-5	4:2:4	C4	E4	
5M2	D-A3 + D-C4 + NT-5	1:4:2	A3	E4	
5M3	D-A4 + NT-4 + NT-5	3:2:1	A4	E4	

Clara MC is a high-fusing metal-ceramic with outstanding optical and physical properties that has always kept place with increasing aesthetic demands - acclaimed and proven worldwide for more than 11 years!

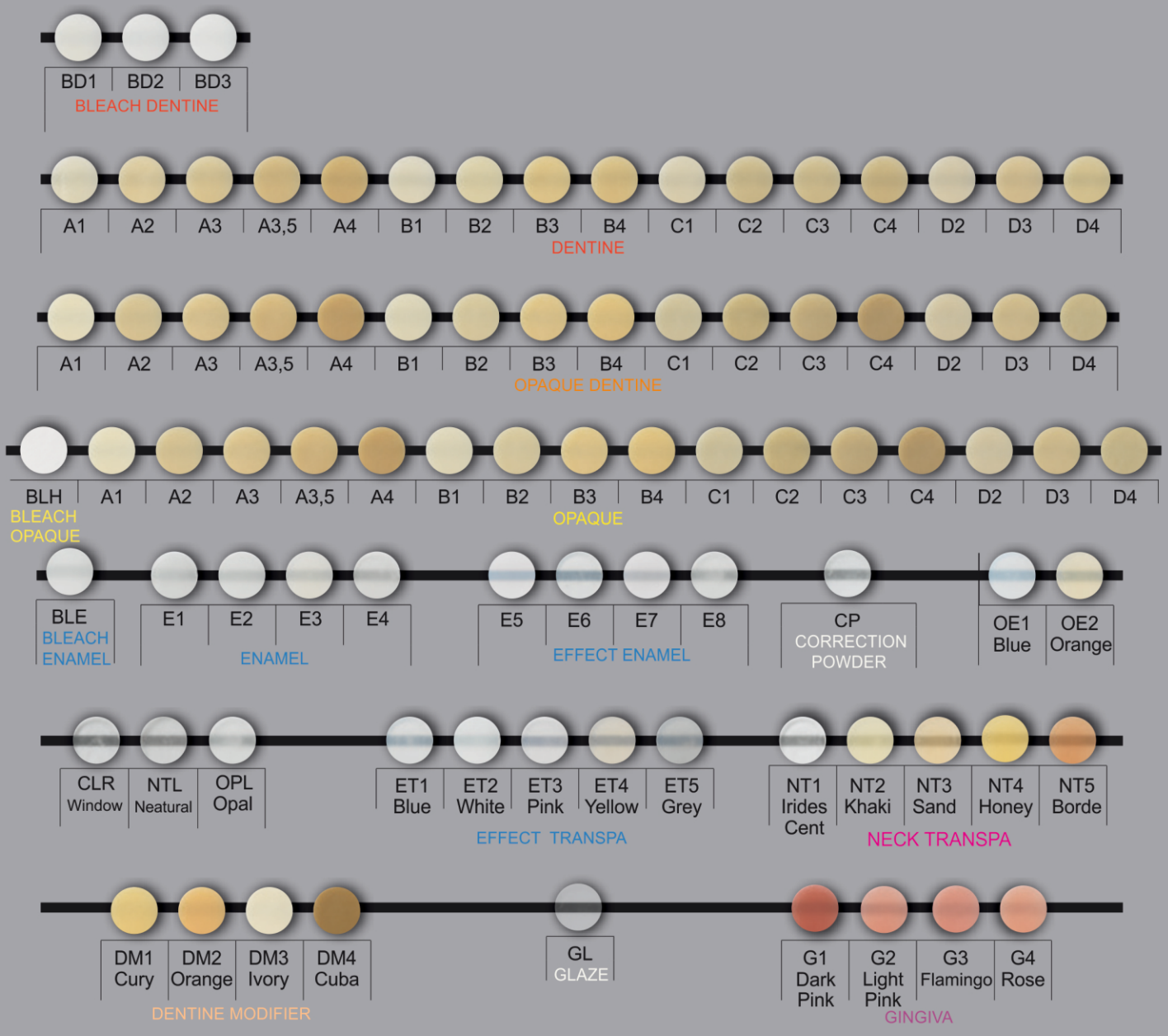
The perfectly matched ceramic materials feature excellent homogenity and high flexural strength. The consequence: a densely sintered structure for pure and pore-free layers with maximum reliability. The pure potash feldsped with a microfine leucite crystal structure creates iridescent light refraction and natural brilliance, as well as enhancing strength. In addition, the special effect materials can also be used to create exceptional colour highlights.

The choice of modular kits offers the perfect start for all requirements. This classic brand let you create metal-ceramic restorations with impressive aesthetics - dental artistry in perfection!

- Natural colour effect and light dynamics due to leucite crystals
- Unique, lifelike aesthetics owing to highly pure potash feldsped
- Highly resilient ceramic due to high flexural strength
- Ease of handling thanks to a consistent colour and layering system

CERAMIC POWDERS COLORS

Clara
Ceramic Powders Systems



ZERODENT
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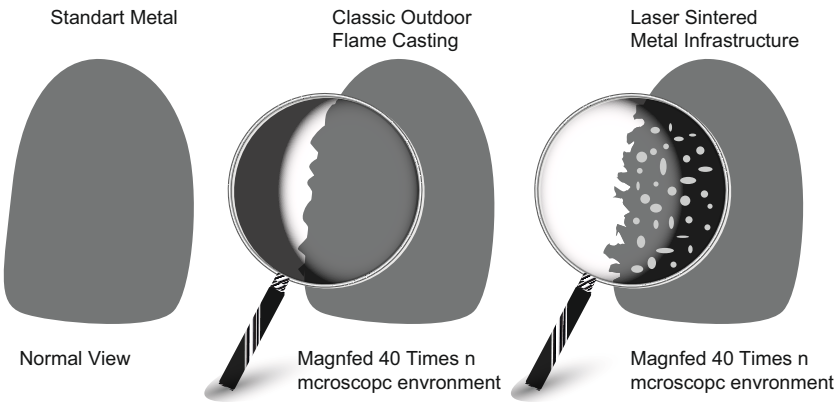
NE-BONDER

Product Specifications

Produced for laser sinter metals.

Removes defects of metal surface and provides coverage.







Please read the QR code to watch the applcaton vdeo.

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Ne-Bonder Firing	550° C	6 mn.	980° C	1 mn.	-	-	80° C

Technical information:

As seen in the image, there are serious dierences in centrifugal and laser system metal substructure surfaces. NE BONDER should be applied in order that the surface on the laser metal does not reduce the durability of the porcelain, ie it does not crack during the expansion and shrinkage. It also supports a 13.8-14.9 CTE value in the porcelain to provide a more robust foundation.

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Clara

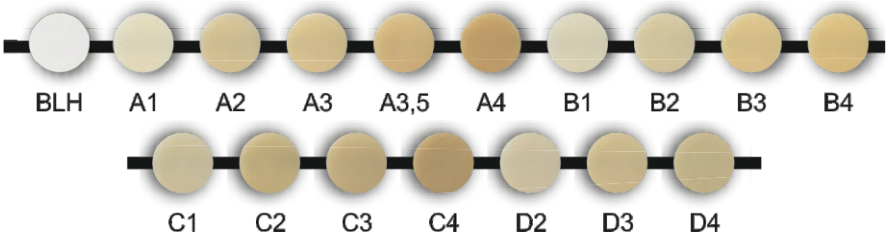
PASTE OPAQUE



Product Specifications

Opaque is applied in uniform brush-strokes with the designated Creapast brush with approx. 80% opacity on the metal framework. Particular care should be taken in that the brush is only lightly moistered with opaque liquid.

MC Pasta Opaque Color Scale





Please read the QR code to watch the applcaton vdeo.

	Initial Temperature	High Temperature	Standby Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Pasta Opaque Firing	575° C	960° C	1 mn.	-	-	65° C
2. Pasta Opaque Firing	575° C	950° C	1 mn.	-	-	65° C

Technical information:

- Avoid any dilution with water.
- The consistency of past may be altered with (OLIQUID).
- Avoid a pre-drying time which is too short or a pre-drying temperature which is too high (boiling bubbles
- Expressed materials should not be withdrawn with the syringe again.

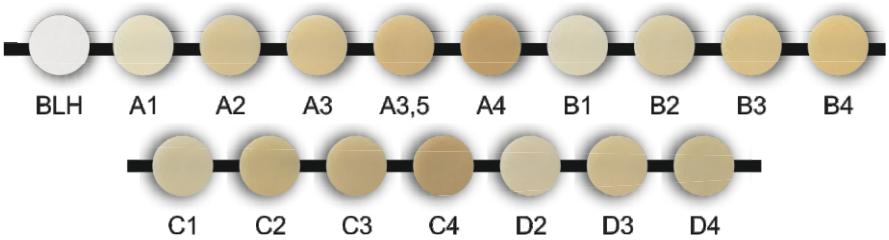
MC OPAQUE



Product Specifications

Opaque is applied in uniform brush-strokes with the designated Creapast brush with approx. 80% opacity on the metal framework. Particular care should be taken in that the brush is only lightly moistered with opaque liquid.

MC Opaque Color Scale



Please read the QR code to watch the applcaton vdeo.

	Initial Temperature	Drying Time	High Temperature	Standby Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Opaque Firing	450°C	5 mn.	960° C	1 mn.	450° C	950° C	60° C
2. Opaque Firing	450° C	5 mn.	950° C	1 mn.	450° C	940° C	60° C

Technical information:

- Avoid any dilution with water.
- The consistency of past may be altered with (OLIQUID).
- Avoid a pre-drying time which is too short or a pre-drying temperature which is too high (boiling bubble
- Expressed materials should not be withdrawn with the syringe again.

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MC DENTINE MODIFIER

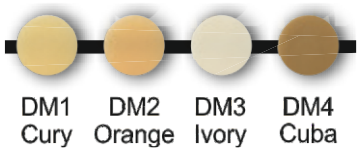


Please read the QR code to watch the applcaton video.

Product Specifications

It has a high chroma density and is applied in collar, equatorial and tubercule coloring in the capture of extreme colors. It is applied by mixing with dentine. It should be used with Clara Modelling liquid.

MC Dentine Modifier Color Scale



	Initial Temperature	Drying Time	High Temperature	Standby Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Dentine Modifier Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Dentine Modifier Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

As is evident from its name the modier allows us to obtain extra intense color by mixing with dentine or opaque dentine. In natural stacking techniques, the color is mixed with dentine in the equator and occlusal regions and extra colors are obtained. It is recommended to use with Clara Modelling liquid.

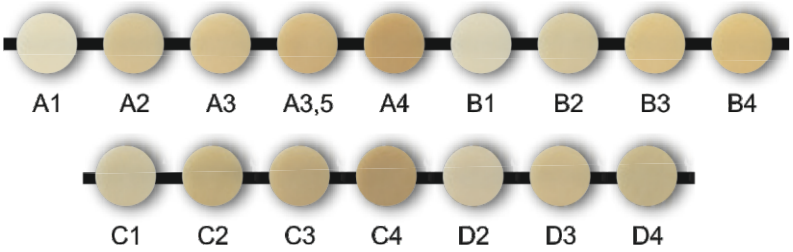
MC OPAQUE DENTINE

Product Specifications

The opaque Dentines vitrify slightly more strongly and are hence more homogeneous from the perspective of periodonta hygiene. At the base of the pontics this is extre mely important and additionally helps to stabilise shine in the cervical third.



Opaque Dentine Color Scale





Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Standby Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Opaque Dentine Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Opaque Dentine Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

To prevent shadowing of the build-up in the interdental area, the chromatic approximal Dentines OD-A1 and OD-A2 are applied interprox-imally.

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MC DENTINE



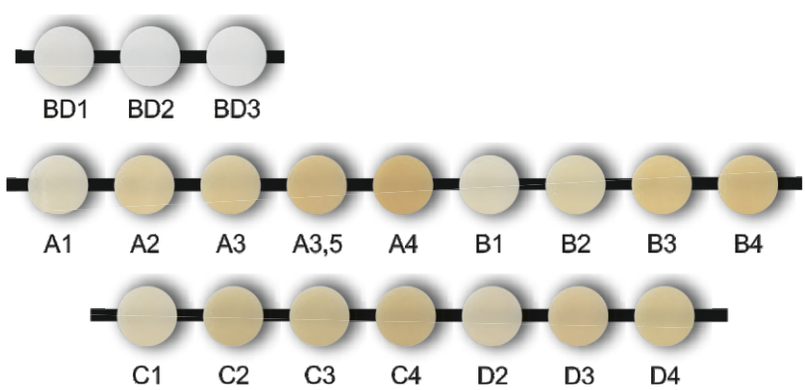
Product Specifications

It has a thermal expansion coefficient (CTE) of 13.8-14.9. It has an intense chroma feature. The raw material of the product is mineral. Natural appearance is obtained by high coverage in thinner fabrics. It offers high quality aesthetics with high quality inorganic pigments. The application of the product is comfortable and has high aesthetics.



Please read the QR code to watch the applcaton video.

MC Dentine Color Scale



	Initial Temperature	Drying Time	High Temperature	Standby Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1.Dentine Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2.Dentine Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

After the anatomical form is correctly modelled, the dentine build-up is reduced in the labial (special incisal) in order to create space for another layer, whereby the shape of the mamelons remains visible in the dentine.

Irregularities are thereby rather advantageous.

MC ENAMEL

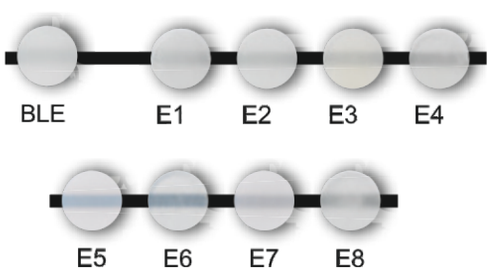
Product Specifications

It has a light-permeable structure. It has a thermal expansion coefficient (CTE) of 13.8-14.9. The application of the product is comfortable and has high aesthetics.
The raw material of the product is mineral. It has 9 dierent types of enamel. It features uorescence properties.



Please read the QR code to watch the applcaton video.

MC Enamel/MC Enamel Bleach Color Scale



	Initial Temperature	Drying Time	High Temperature	Standby Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Enamel Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Enamel Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

The Dentine layering is individually complemented by Enamel and Transpa materials in its incisal-palatal direction. The first stage is to build up the distal and/or mesial edges. The alternating layer arrangement of the incisal plate is created depending on the brightness value with the following materials: Enamels and Transparants Over-contouring of the incisal length of the restoration is necessary to achieve compensation of shrinkage.

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MC TRANSPA CLEAR



Product Specifications

It has a glassy appearance. It has a thermal expansion coefficient (CTE) of 13.8-14.9.

The raw material of the product is mineral.

MC Transpa Clear



CLR
Window



Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Standby Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1.Clear Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2.Clear Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

Through the addition of Transpa Clear (CLR),

the Enamel is somewhat more translucent, if required.

MC TRANSPA NEATURAL

Product Specifications

It is lose to glassy appearance.

It has a thermal expansion coefficient (CTE) of 13.8-14.9. The raw material of the product is mineral.



MC Transpa Neutral

Please read the QR code to watch the applcaton video.



NTL
Neatural

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Transpa Neutral Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Transpa Neutral Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

Through the addition of Transpa Neutral (NTL),

the Enamel is somewhat more translucent, if required.

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MC TRANSPA OPAL



Product Specifications

Transpa Opal has a more broken structure than Cleara and has an icy whitish structure. It has a thermal expansion coefficient (CTE) of 13.8-14.9. The raw material of the product is mineral.



Please read the QR code to watch the applcaton video.

MC Transpa Opal



OPL
Opal

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Transpa Opal Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Transpa Opal Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

It is applied to catch extreme colors in the mouth with its light whitish and translucency structure. It is applied partially in special areas under the enamel at the incisal ends. It is sometimes applied as enam in the second addition in appropriate colors. It is recommended to use with Clara dentine liquid.

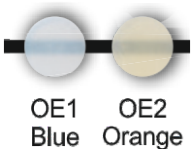
MC OPAL ENAMEL

Product Specifications

It is included in the effect group with different color options. It has light transmittance.



MC Opal Enamel Color Scale



OE1 Blue OE2 Orange

Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Opal Enamel Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Opal Enamel Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

OE2; It gives a more natural look to the equatorial region from the tops of the mamellon to the equator with a thin stacking before the stacking of enamel. The OE1 is more commonly used in the mesial and distal areas, but is applied to the vestibule, and the enamel is applied to allow the existing work to become narrower. In extreme cases, it is applied as enamel in suitable colors. It is recommended to use with Clara dentine liquid.

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MC EFFECT TRANSPA



Product Specifications

The Dentine layering is individually complemented by Enamel and EffectTranspa materials in its incisal-palatal direction. The first stage is to build up the distal and/or mesial edges. The alternating layer arrangement of the incisal plate is created depending on the brightness value.

MC Effect Transpa Color Scale



ET1 Blue | ET2 White | ET3 Pink | ET4 Yellow | ET5 Grey

Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Effect Transpa Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Effect Transpa Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

With dierent color options it is used in natural stacking studies by applying more under the enamel. It has a translusens structure. It has the color option which can be applied in all kinds of natural stacking studies from lightest to darkest colors. It is recommended to use with Clara dentine liquid.

MC NECK TRANSPA

Product Specifications

it is included in the effect group with different color options.

It has light transmittance. The raw material of the product is mineral.



Please read the QR code to watch the applcaton video.

MC Neck Transpa Color Scale



NT1 Irides Cent | NT2 Khaki | NT3 Sand | NT4 Honey | NT5 Borde

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Neck Transpa Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Neck Transpa Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

In the cervical and incisal third, the high-fluorescent NeckTTranspa materials (NT1 – NT5) can be used for individual layering. The incisal edge is achieved with an Enamel/Dentine mixture. To allow for firing shrinkage, the layering is also over-contoured labially and incisall .

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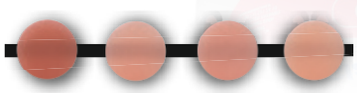
MC GINGIVA



Product Specifications

It is porcelain powder with gingival pink with four different color options.

MC Gingiva Color Scale



G1 Dark Pink | G2 Light Pink | G3 Flamingo | G4 Rose

Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Gingiva Firing	575° C	6 mn.	925° C	1 mn.	575° C	925° C	53° C
2. Gingiva Firing	575° C	5 mn.	920° C	1 mn.	575° C	920° C	53° C

Technical information:

It is applied to obtain a natural appearance in the cole extension in patients with tissue loss. Subsequently the complete, still exposed framework is covered with G1 (dark pink). For thick layers, the ceramic mass may be built up from within using G1 (dark pink opaque) and the colour stabilised as a result of the higher opacity. It is important to make sure the tooth-coloured and gingiva-coloured ceramics do not touch so that specific positioning of the fired materials can be achieved.

MC GLAZE

Product Specifications

It is used for polishing the porcelain surfaces.



MC Glaze Color Scale



GLZ



Please read the QR code to watch the applcaton video

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Glaze Firing	600 C	2 mn.	900 C	1 mn.	-	-	55 C

Technical information:

A creamy structure is obtained by mixing with Clara glaze liquid and it is applied by brushing with a thin layer. It has a high brilliant appearance. It doesn't tarnish and wear out in mouth for many years. It is applied for polishing the porcelain.

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MC CORRECTION POWDER



MC Correction Powder Color Scale



CP

Product Specifications

Used for porcelain repairs.

The color is universal.

The raw material of the product is mineral.



Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Correction Powder Firing	450° C	1 mn.	800° C	1 mn.	450° C	800° C	45° C

Technical information:

The product is not applied alone on the surfaces to be repaired, it allows us to do one-time repairs with a very small amount (1/2) of the tooth's own color. It is recommended to use with Clara modelling liquid.

STAIN UNI (MAKE-UP)

Product Specifications

It is applied for coloring in nished porcelain. It has 14 color options.



Stain Uni Color Scale

S-1 S-2 S-3 S-4 S-5 S-6 S-7 S-8 S-9

S-A S-B S-C S-D Dark Blue

Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Stain Uni Firing	600° C	2 mn.	930° C	1 mn.	-	-	55° C

Technical information:

Clara stains characterised by glaze. They may be added to the ceramic materials in small amounts for modification, in order to provide them with a higher colour saturation without adversely affecting the brilliance of the materials.

over the glazed tooth.

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MC GLAZE-UNI



Product Speficications

It is applied for polishing the porcelain surfaces. For low and high firing.

MC Glaze Uni Color Scale



GLZ-UNI

Please read the QR code to watch the applcaton video.

	Initial Temperature	Drying Time	High Temperature	Stand by Time In Vacuum	Vacuum Starting	Vacuum Ending	Heat Increase Per Minute
1. Glaze Uni Firing	575° C	6 mn.	920° C	1 mn.	-	-	60° C

Technical information:

Provides high performance even at lower temperatures. A vivid appearance is obtained with a thin layer. It is applied in polishing the nished porcelain.

MODELLING LIQUID



Product Speficications

It is specially produced liquid for high thermal expansion coefficient and full color compatibility of porcelain powder.

Please read the QR code to watch the applcaton video.

Technical information:

Provides low shrinkage of the applied porcelain. Recommended for full color matching. It is made available after it becomes clear that it does not cause any disformation in the porcelain by daily, weekly and monthly tests. It is a specially produced mixing liquid for Clara porcelain powders.

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OPAQUE LIQUID



Product Specifications

Clara opaque liquid is specially designed to support high thermal expansion coefficient (CTE) and ensure full color.

Please read the QR code to watch the applcaton video.

Technical information:

Suitable for mixing with Clara opaque. Thanks to its smooth surface and high coverage after the mixture, it covers metal even in one layer. It is made available after it becomes clear that it does not cause any disformation in the porcelain by daily, weekly and monthly tests. It is a specially produced mixing liquid for Clara opaque.

GLAZE LIQUID



Product Specifications

It is a specially produced mixing liquid for Clara glaze powder.

Please read the QR code to watch the applcaton video.

Technical information:

It has a creamy structure. It does not cause any disformation in the porcelain surface by daily, weekly and monthly tests. It does not lose its luster in the mouth for many years and does not make darkeness.

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Clara



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