Clara

LDL Lithium Silicate

CLARA LITHIUM SILICATE

PRODUCT CATALOGUE

LDL


Clara
LDL Press
LDL-BLE
40°C - 430 C
TG-430°C
720 C
710 C
Clara
LDL Veneering
BLE
Bleach Enamel
40 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 LDL – technically refined and inspired by nature. Better than ever more brilliant than ever: Clara LDL is a highfusing Lithium silicate with unique optical and physical properties that has developed constantly in line with growing aesthetic demands – recognised worldwide for over 11 years!

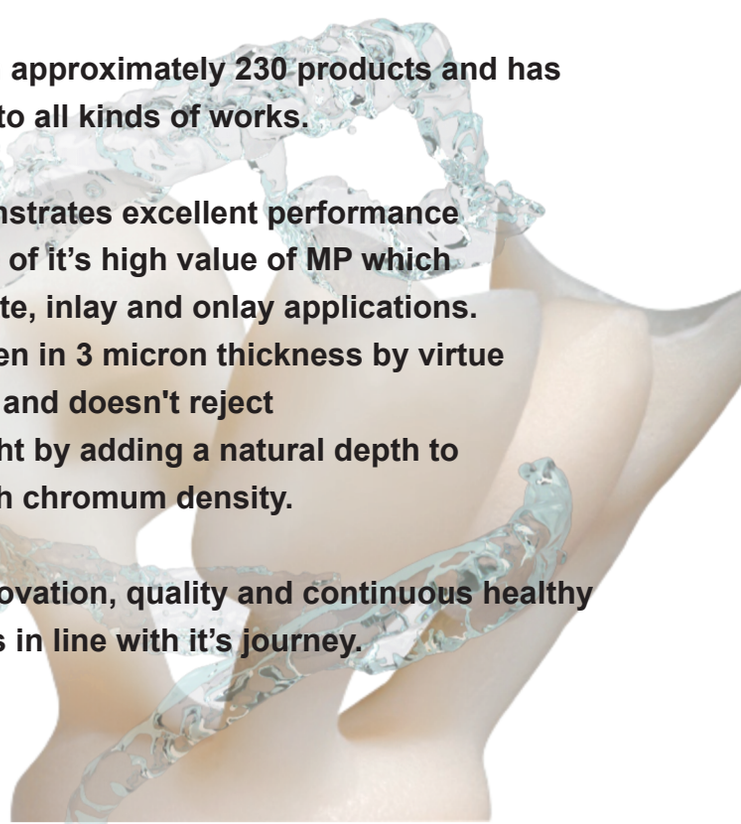
Clara zirconium powder and lithium silicate powder , manufactured by taking aesthetics and durability to the forefront, is produced as the world's strongest mineral powder by virtue of the new generation Nano Grinding Technology.

The material has higher added value compared to it’s competitors thanks to it’s excellent color harmony, high chroma, density and 9,8-10,8 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.

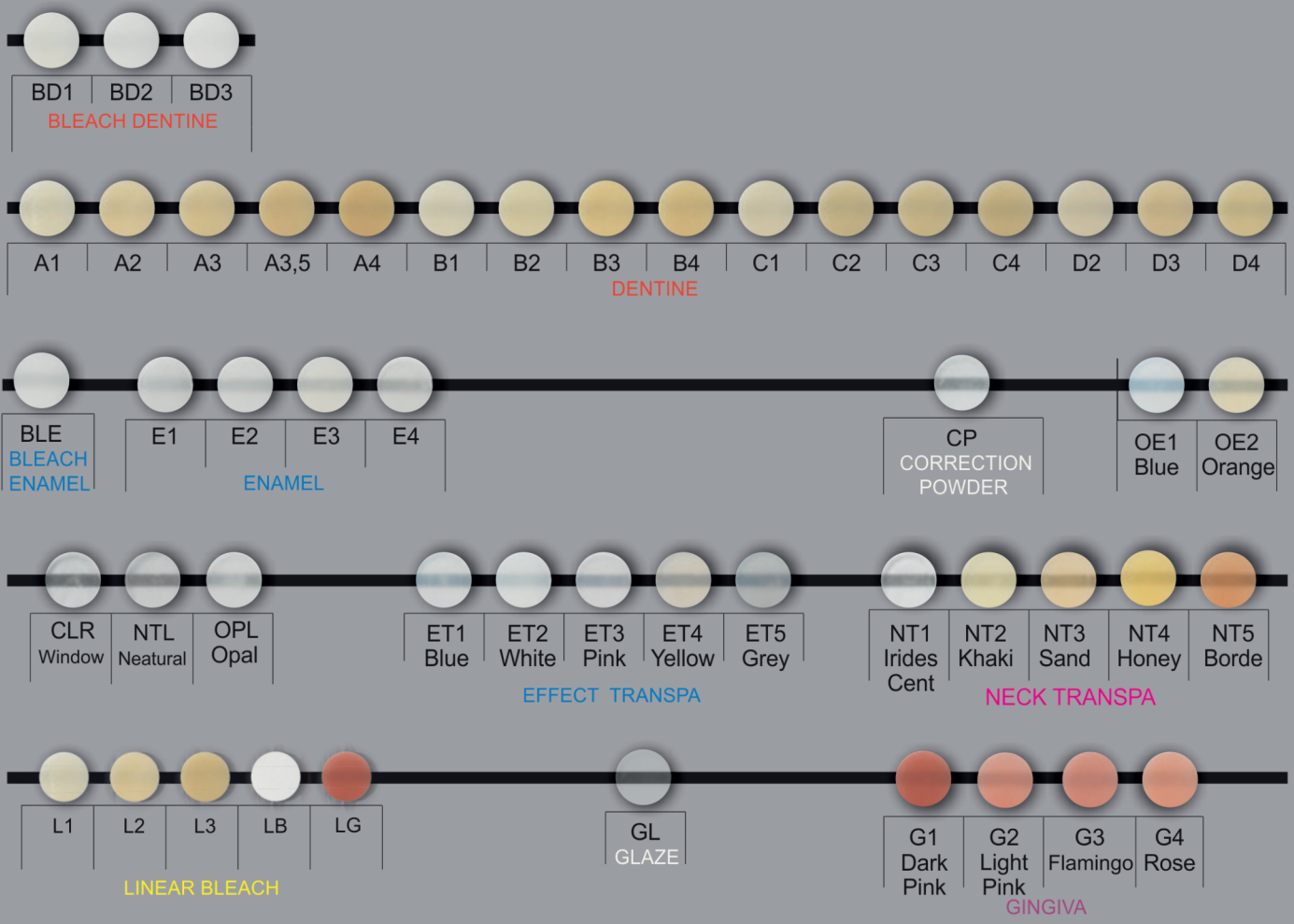
Clara Lithium silicate powder demonstrates excellent performance against cracking and removal by virtue of it’s high value of MP which has for sensitive works such as laminate, inlay and onlay applications. The material shows high resistance even in 3 micron thickness by virtue of the new generation 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.



LDL CERAMIC POWDERS COLORS

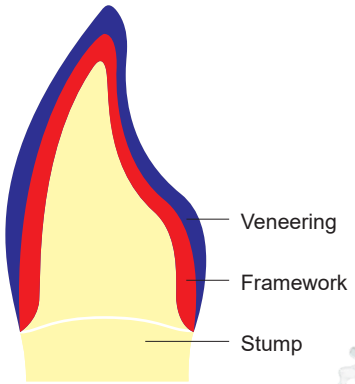
Clara
LDL Lithium Silicate



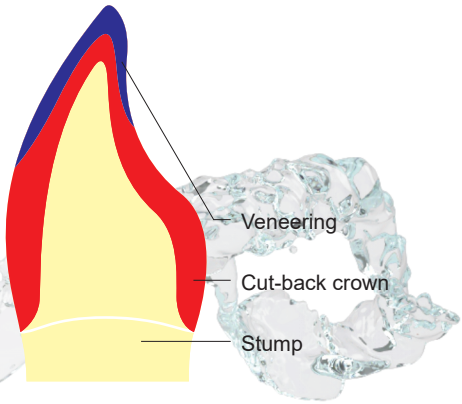
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PROCESSING TECHNIQUES

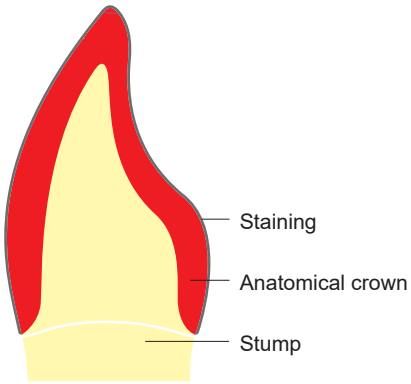
Layering technique



Cut-back technique



Staining technique



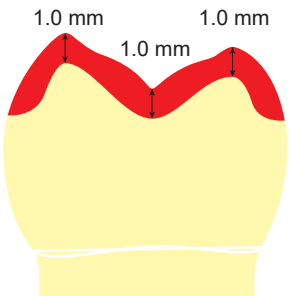
Occlusal veneers, onlays:

– Reducing the anatomical shape in the occlusal area by 1.0mm
– No preparation of undercut areas
– The preparation angle of the cavity wall towards the tooth axis should form an angle of 6°
– All internal edges and angles should be rounded
– Do not prepare feather edges

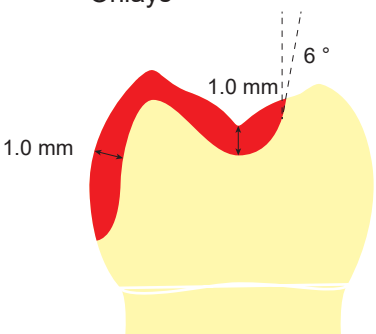
Inlays

There must be a preparation depth of at least 1.0mm and an isthmus width in the area of the fissures of at least 1.0mm
– No preparation of undercut areas
– The preparation angle of the cavity wall towards the tooth axis should form an angle of 6°
– Do not prepare a tooth with feather edges
– All internal edges and angles should be rounded

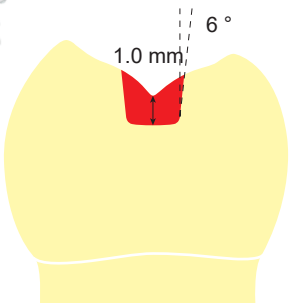
Occlusal veneers



Onlays

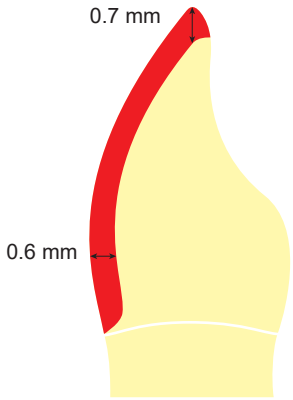


Inlays

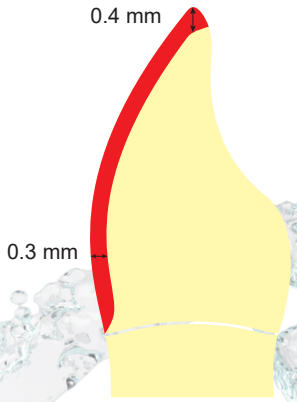


PREPARATION GUIDELINES

Veneers



Thin veneers

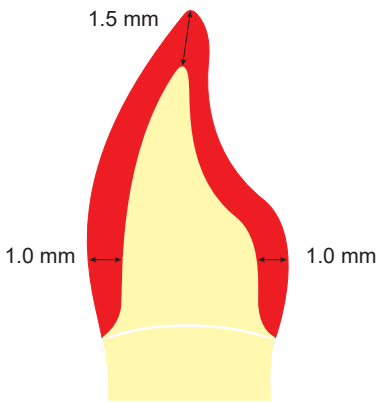


Veneers, thin veneers
– Reducing the labial area by at least 0.3 mm and the cutting edge by at least 0.4 mm
– The reduction of the substance should be in the enamel area
– Do not prepare a tooth with feather edges

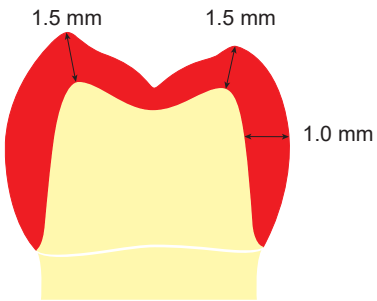
Crowns in the anterior region
– The incisal edge should be reduced by about 1.5mm
– The reduction in the body (vestibular, interdental, palatal) should be 1.0 mm
– The width of the shoulder/chamfering should be at least 1.0 mm

Crowns in the posterior region
– Reducing the anatomical shape in the occlusal area by 1.5 mm
– Reducing the crown in the circular area by at least 1.0mm
– The cusps and edges must be rounded

Anterior crowns



Posterior crowns



LDL DENTINE

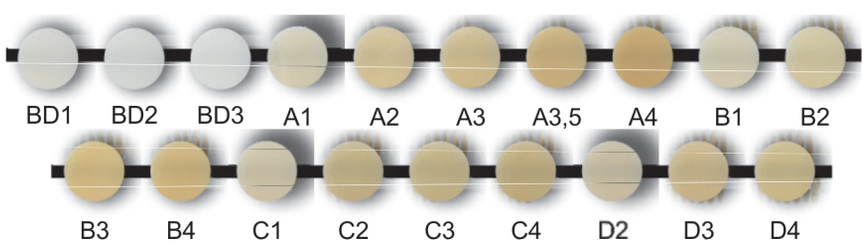


Product Specications

It has a thermal expansion coefficient (CTE) is characterized by low ignition temperatures and maximum stability even after multiple ignitions.

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 oers high quality aesthetics with high quality inorganic pigments. The application of the product is comfortable and has high aesthetics.

LDL Dentine Color Scale



Firing instruction "LDL"

	Preh. Temp.	Drying Time	Raise of Temp.	V	Final Temp.	Holding Time	Appearance
Dentine Firing	420°C	6min	50°C/min	+	780°C	1min	slightly shiny
Correcture Firing	420°C	6min	50°C/min	+	775°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

Our colors are subject to classical scale and consist of 16 classic and 3 bleach dentine. It is produced in 3 dierent microgran structure with new generation production technology. Thanks to this feature, it provides less shrinkage of porcelain applied and high color compatibility even at maximum neness.

It is recommended to use by mixing with Clara dentine liquid.

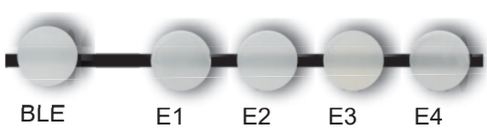
LDL ENAMEL

Product Specications

It has a light-permeable structure. It has a thermal expansion coefficient (CTE) is characterized by low ignition temperatures and maximum stability even after multiple ignitions. The application of the product is comfortable and has high aesthetics. The raw material of the product is mineral. It has 9 different types of enamel. It features uorescence properties.



LDL Enamel/LDL Enamel Bleach Color Scale



Firing instruction "LDL"							
	Preh. Temp.	**Drying Time**	**Raise of Temp.**	**V**	**Final Temp.**	**Holding Time**	**Appearance**
Dentine Firing	420°C	6min	50°C/min	+	780°C	1min	slightly shiny
Correcture Firing	420°C	6min	50°C/min	+	775°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

It is applied to the incisal and occlusal regions of the teeths starting from the equator. It gives the color vitality and naturalness. With different color options, the product has different color options from Hollywood white to the darkest intermediate colors not available in the color scale. It has a wide range of color alternatives to meet every request from natural to vivid transparent apperance.



Product Specications

It used to increase the adhesion between Lithium substructure and porcelain and support the appropriate color.

LDL Linear/Linear Bleach Color Scale



Firing instruction "LDL"							
	Preh. Temp.	**Drying Time**	**Raise of Temp.**	**V**	**Final Temp.**	**Holding Time**	**Appearance**
Dentine Firing	420°C	6min	50°C/min	+	780°C	1min	slightly shiny
Correcture Firing	420°C	6min	50°C/min	+	775°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

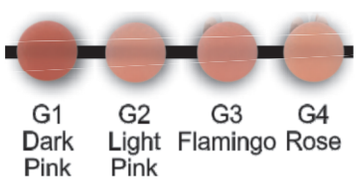
It is in powder form. It is applied by mixing with Clara zircon liquid. It is applied as a very thin layer in an aqueous manner on the Zircon substructure. Applied with brush.

Product Specications

It is porcelain powder in gingiva color. It has a thermal expansion coefficient (CTE) of 9,5. The raw material of the product is mineral. The product has two separate colors.



LDL Gingiva Color Scale



Firing instruction "LDL"							
	Preh. Temp.	**Drying Time**	**Raise of Temp.**	**V**	**Final Temp.**	**Holding Time**	**Appearance**
Dentine Firing	420°C	6min	50°C/min	+	780°C	1min	slightly shiny
Correcture Firing	420°C	6min	50°C/min	+	775°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

It is applied to obtain a natural appearance in the cole extension in patients with tissue loss. It is used with Clara LDL dentine liquid.

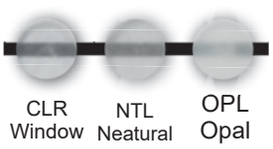
LDL TRANSPA CLEAR



Product Specications

It has a glassy appearance. It has a thermal expansion coefficient (CTE) is characterized by low ignition temperatures and maximum stability even after multiple ignitions. The raw material of the product is mineral.

LDL Transpa Clear, **Neutral, Opal**



Firing instruction "LDL"

	Preh. Temp.	Drying Time	Raise of Temp.	V	Final Temp.	Holding Time	Appearance
1. Transpa Neutral	420°C	6min	50°C/min	+	780°C	1min	slightly shiny
2. Transpa Neutral	420°C	6min	50°C/min	+	775°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

It is used in incisal tips in young patients. It is used for the color reaction of contact teeth by using chameleon feature in mesial and distal contacts. In special cases, a thin coat of stacking is made by breaking the color with enamel and applied as a vitality enhancer. Enamel stacking is made on the product. It is recommended to use with Clara dentine liquid.

Product Specications

It is included in the effect group with different color options. It is applied as interior effect. It has light transmittance. It has a thermal expansion coefficient (CTE) of 9.5. The raw material of the product is mineral.



LDL Efect Transpa Color Scale





Firing instruction "LDL"

	Preh. Temp.	Drying Time	Raise of Temp.	V	Final Temp.	Holding Time	Appearance
1. Effect Transpa	420°C	6min	50°C/min	+	780°C	1min	slightly shiny
2. Effect Transpa	420°C	6min	50°C/min	+	775°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

With different 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 LDL Clara dentine liquid.

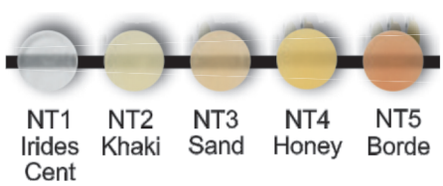
LDL NECK TRANSPA



Product Specications

It has light transmittance. It has a thermal expansion coefficient (CTE) of 9.5. The raw material of the product is mineral. It is included in the effect group with different color options. It is applied as interior effect.

LDL Neck Transpa Color Scale



Firing instruction "LDL"							
	Preh. Temp.	**Drying Time**	**Raise of Temp.**	**V**	**Final Temp.**	**Holding Time**	**Appearance**
1. Neck Transpa	420°C	6min	50°C/min	+	780°C	1min	slightly shiny
2. Neck Transpa	420°C	6min	50°C/min	+	775°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

In order to obtain a natural appearance, it is applied under the enamel with different color options and enables us to get a natural appearance. It is applied in all natural stacking. In extreme cases, it is applied as enamel in suitable colors. It is recommended to use with LDL Clara dentine liquid.



Product Specications

Used for porcelain repairs.

The color is universal. It has a thermal expansion coecient (CTE) of 9,5.

The raw material of the product is mineral.

LDL Correcton Powder



CP

Firing instruction "LDL"							
	Preh. Temp.	**Drying Time**	**Raise of Temp.**	**V**	**Final Temp.**	**Holding Time**	**Appearance**
1. Correction Powder	420°C	6min	50°C/min	+	780°C	1min	slightly shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

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 (1/10) of the tooth's own color. It is recommended to use with LDL Clara dentine liquid.

LDL UNI GLAZE



Product Specications

It is applied for polishing the porcelain surfaces. It has a thermal expansion coecient (CTE) of 13.8.



GLZ-UNI

Firing instruction "LDL"							
	Preh. Temp.	**Drying Time**	**Raise of Temp.**	**V**	**Final Temp.**	**Holding Time**	**Appearance**
Glaze Firing without Glaze	440°C	5min	50°C/min	-	780°C	1min	shiny

The firing parameters given above are guidelines, which must always be adjusted to suit the furnace used and the situation of the furnace. What is essential is getting the right firing result.

Product Description

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



Product Specications

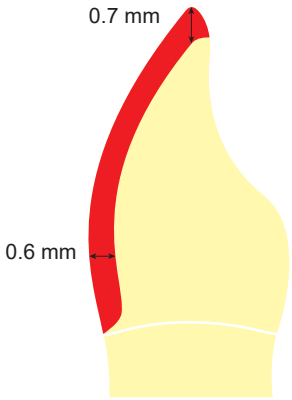
It is specially produced liquid for high thermal expansion coefficient and full color compatibility of porcelain powder.

Product Description

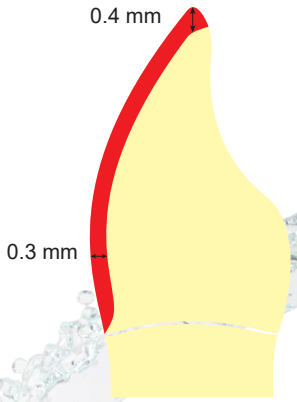
Provides low shrinkage of the applied porcelain. Recommended for full color matching. It is made available after it becomes clear that it does not cause any disinformation in the porcelain by daily, weekly and monthly tests. It is a specially produced mixing liquid for LDL Clara porcelain powder.

PREPARATION GUIDELINES

Veneers



Thin veneers

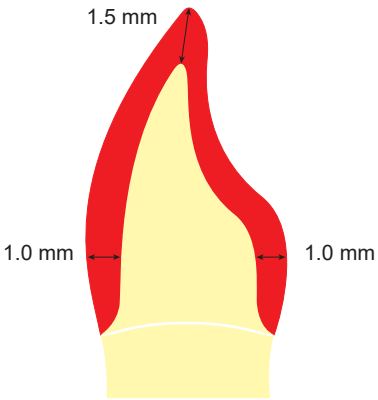


Veneers, thin veneers
– Reducing the labial area by at least 0.3 mm and the cutting edge by at least 0.4 mm
– The reduction of the substance should be in the enamel area
– Do not prepare a tooth with feather edges

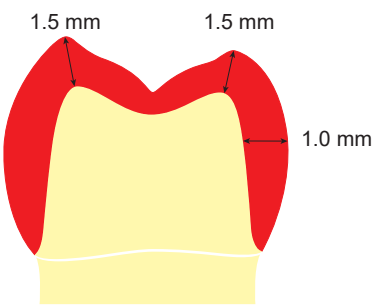
Crowns in the anterior region
– The incisal edge should be reduced by about 1.5mm
– The reduction in the body (vestibular, interdental, palatal) should be 1.0 mm
– The width of the shoulder/chamfering should be at least 1.0 mm

Crowns in the posterior region
– Reducing the anatomical shape in the occlusal area by 1.5 mm
– Reducing the crown in the circular area by at least 1.0mm
– The cusps and edges must be rounded

Anterior crowns



Posterior crowns



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