

2023 CAD/CAM ●●●
Dental Material


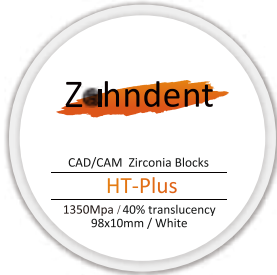
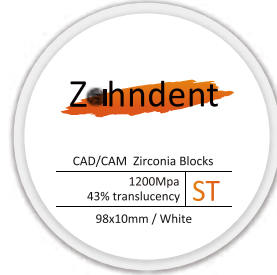
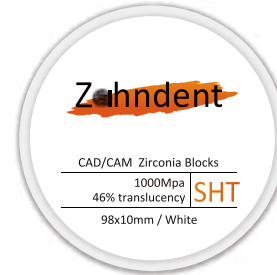

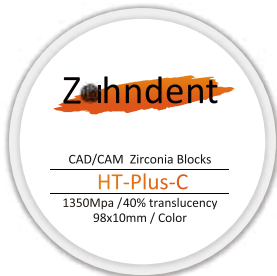
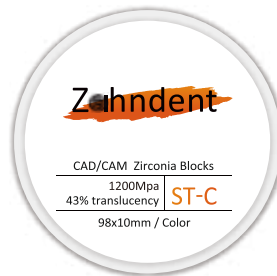
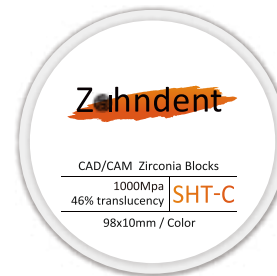


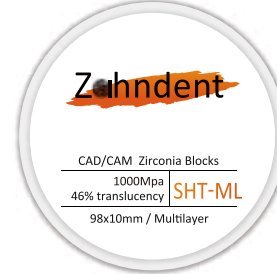
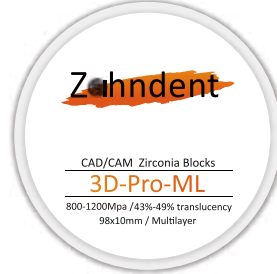
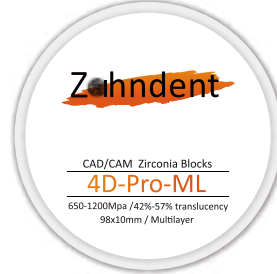
Zahndent®



PRODUCT CATALOGUE

Zahndent will be
your satisfactory
dental material supplier



	HT-Plus	ST	SHT	3D-Pro	4D-Pro
White 	 <p>CAD/CAM Zirconia Blocks HT-Plus 1350Mpa / 40% translucency 98x10mm / White</p>	 <p>CAD/CAM Zirconia Blocks 1200Mpa 43% translucency ST 98x10mm / White</p>	 <p>CAD/CAM Zirconia Blocks 1000Mpa 46% translucency SHT 98x10mm / White</p>		
Color 	 <p>CAD/CAM Zirconia Blocks HT-Plus-C 1350Mpa / 40% translucency 98x10mm / Color</p>	 <p>CAD/CAM Zirconia Blocks 1200Mpa 43% translucency ST-C 98x10mm / Color</p>	 <p>CAD/CAM Zirconia Blocks 1000Mpa 46% translucency SHT-C 98x10mm / Color</p>		
Multilayer 		 <p>CAD/CAM Zirconia Blocks 1200Mpa 43% translucency ST-ML 98x10mm / Multilayer</p>	 <p>CAD/CAM Zirconia Blocks 1000Mpa 46% translucency SHT-ML 98x10mm / Multilayer</p>	 <p>CAD/CAM Zirconia Blocks 3D-Pro-ML 800-1200Mpa / 43%-49% translucency 98x10mm / Multilayer</p>	 <p>CAD/CAM Zirconia Blocks 4D-Pro-ML 650-1200Mpa / 42%-57% translucency 98x10mm / Multilayer</p>

HT-Plus White Zirconia Block	07
ST White Zirconia Block	08
SHT White Zirconia Block	09
HT-Plus Color Zirconia Block	10
ST Color Zirconia Block	11
SHT Color Zirconia Block	12
ST Multilayer Zirconia Block	13
SHT Multilayer Zirconia Block	14
3D-Pro Multilayer Zirconia Block	15-16

HT-Plus White Zirconia Block



1. 40% translucency, 1350Mpa.
2. With high flexural strength and excellent hardness.
3. HT plus white has comprehensive indicators and is especially suitable for long-span bridges.

MATERIAL ADAPTATION SYSTEM



RECOMMENDED INDICATIONS

- Coping · Inlay&Onlay
- Coping bridge · Full arch
- Full contour screw retained bridge

PHYSICAL PARAMETERS

Density after sintering	≥6.09g/cm ³
Fracture toughness	7Mpa.m ^{3/2}
Translucency	40%
Flexural strength after sintering	1350MPa
Sintering temperature	1530°C

CUSTOMERS FEEDBACK PICTURES



ST White Zirconia Block



1. With 43% translucency and 1200Mpa high flexural strength for a variety of indications and processing options.
2. Suitable for long bridge, posterior teeth.
3. Excellent aging resistance, good air permeability, good light transmission, easy to operate.

MATERIAL ADAPTATION SYSTEM



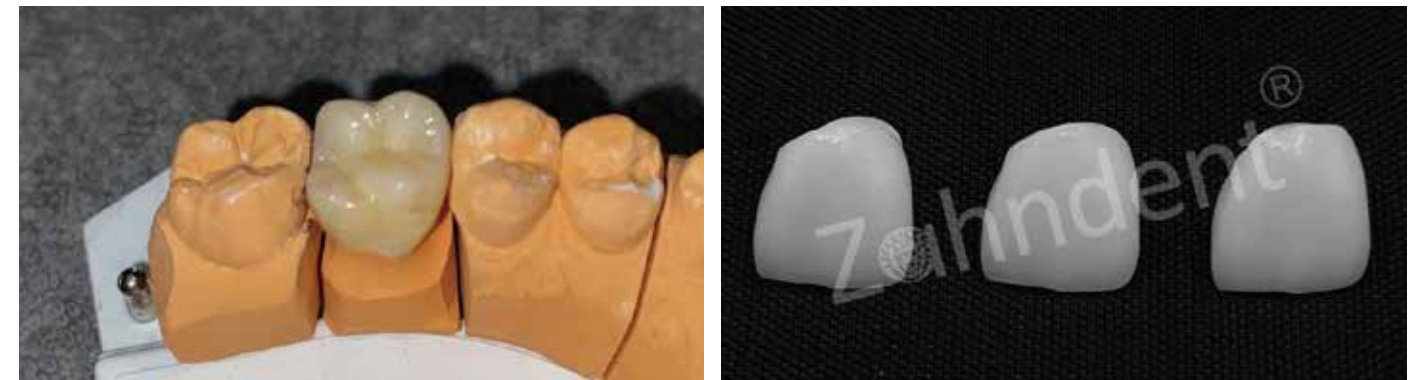
RECOMMENDED INDICATIONS

- Coping · Coping bridge
- Full arch · Inlay&Onlay
- Full contour screw retained bridge

PHYSICAL PARAMETERS

Density after sintering	≥6.09g/cm ³
Fracture toughness	≥5Mpa.m ^{3/2}
Translucency	43%
Flexural strength after sintering	1200MPa
Sintering temperature	1530°C

CUSTOMERS FEEDBACK PICTURES

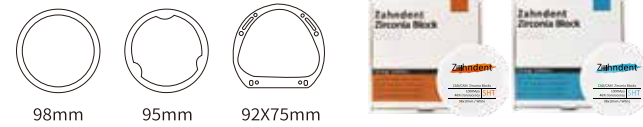


SHT White Zirconia Block



1. With high translucency (46%) and high flexural strength values.
2. It combines the good block-out characteristics with high brightness value and optimally adjusted translucency.
3. Achieving outstanding esthetics for both anterior and posterior full contour restorations.

MATERIAL ADAPTATION SYSTEM



PHYSICAL PARAMETERS

Density after sintering	≥6.08g/cm ³
Fracture toughness	≥4.5Mpa.m ^{1/2}
Translucency	46%
Flexural strength after sintering	1000MPa
Sintering temperature	1530°C

RECOMMENDED INDICATIONS

- Coping · Inlay&Onlay · Anterior crown
- Full crown bridge(≤8units) · Posterior crown
- Full crown screw retained bridge
- Screw retained crown

CUSTOMERS FEEDBACK PICTURES



HT-Plus Color Zirconia Block



1. 40% translucency, 1350Mpa.
2. With high flexural strength and excellent hardness.
3. Features the same as the HT Plus, no need for subsequent internal dyeing, easy to operate.
4. Suitable for long-span bridges.

MATERIAL ADAPTATION SYSTEM



COLOR



PHYSICAL PARAMETERS

Density after sintering	≥6.09g/cm ³
Fracture toughness	7Mpa.m ^{1/2}
Translucency	40%
Flexural strength after sintering	1350MPa
Sintering temperature	1530°C

RECOMMENDED INDICATIONS

- Coping · Inlay&Onlay
- Coping bridge · Full arch
- Full contour screw retained bridge

CUSTOMERS FEEDBACK PICTURES



ST Color Zirconia Block



1. With 43% translucency, 1200Mpa.
2. No internal pre-dyeing is required, simplifying the tedious dyeing process.
3. Save time and cuts costs with remarkable restorations.

MATERIAL ADAPTATION SYSTEM



COLOR



PHYSICAL PARAMETERS

Density after sintering	≥6.09g/cm ³
Fracture toughness	≥5Mpa.m ^{1/2}
Translucency	43%
Flexural strength after sintering	1200MPa
Sintering temperature	1530°C

RECOMMENDED INDICATIONS

- Coping · Full arch
- Inlay&Onlay
- Posterior · Screw retained crown
- Full contour screw retained bridge

EFFECT DRAWING

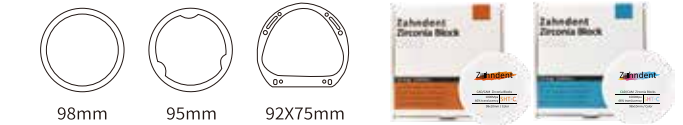


SHT Color Zirconia Block



1. With With 46% translucency, 1100Mpa, stable and esthetic appearance.
2. No internal pre-dyeing is required, simplifying the tedious dyeing process.
3. Improvement of monolithic restorations.

MATERIAL ADAPTATION SYSTEM



COLOR



PHYSICAL PARAMETERS

Density after sintering	≥6.08g/cm ³
Fracture toughness	≥4.5Mpa.m ^{1/2}
Translucency	46%
Flexural strength after sintering	1000MPa
Sintering temperature	1530°C

RECOMMENDED INDICATIONS

- Coping · Inlay&Onlay
- Full crown bridge (≤8units)
- Posterior · Screw retained crown
- Full contour screw retained bridge

EFFECT DRAWING





1. 4 layers of gradient color, no need to do the dyeing process.
2. 43% translucency, 1200Mpa, with natural color and translucency gradient and high flexural strength.
3. The color of the zirconia block is seamless and natural.

MATERIAL ADAPTATION SYSTEM



COLOR



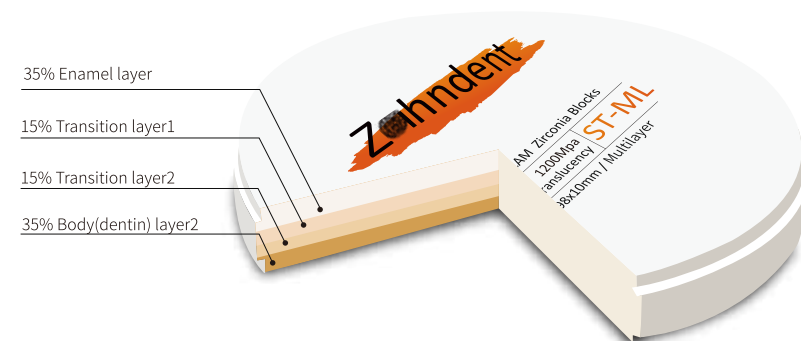
RECOMMENDED INDICATIONS

- Coping · Inlay&Onlay
- Posterior crown
- Full arch
- Screw retained crown

PHYSICAL PARAMETERS

Density after sintering	≥6.09g/cm ³
Fracture toughness	≥5Mpa.m ^{1/2}
Translucency	43%
Flexural strength after sintering	1200MPa
Sintering temperature	1530°C

EFFECT DRAWING



- 1.4 layers of gradient color, no need to do the dyeing process.
- 2.46% translucency, 1100Mpa, with natural color and translucency gradient and high flexural strength.
3. Suitable for multiple indications, which provides remarkable restorations by cutting time and costs.

MATERIAL ADAPTATION SYSTEM



COLOR



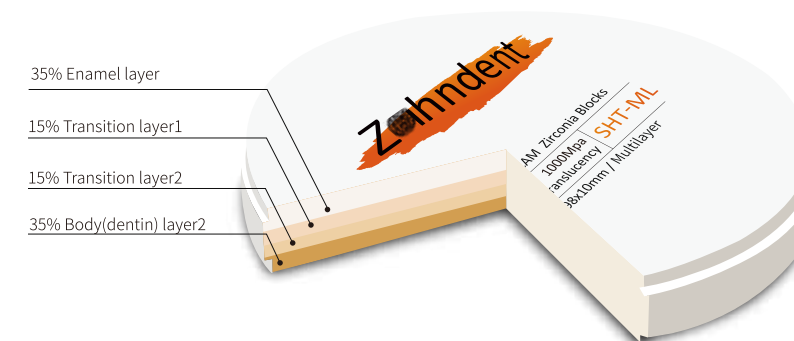
RECOMMENDED INDICATIONS

- Coping · Inlay&Onlay
- Anterior crown
- Full crown bridge (≤8units)
- Screw retained crown

PHYSICAL PARAMETERS

Density after sintering	≥6.08g/cm ³
Fracture toughness	≥4.5Mpa.m ^{1/2}
Translucency	46%
Flexural strength after sintering	1000MPa
Sintering temperature	1530°C

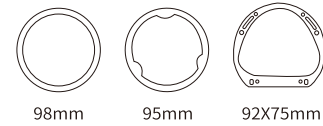
EFFECT DRAWING



3D-Pro Multilayer Zirconia Block



MATERIAL ADAPTATION SYSTEM



1. Multilayer zirconium oxide with natural esthetics.
2. With natural color and translucency gradient and high flexural strength (1200 MPa cervical, 800 MPa incisal).
3. The strength of 800Mpa-1200Mpa is naturally gradual, the incisal is flexible, and the cervical is strong. The abrasion performance of the finished tooth is close to that of natural tooth enamel, which perfectly restores the chewing function of the tooth.
4. The color of the zirconia block is seamless and natural, and there is no need for subsequent internal dyeing and drying, which greatly saves the operation time, effectively avoids artificial dyeing errors, and improves the color accuracy of the restoration.

PHYSICAL PARAMETERS

Density after sintering	≥6.05g/cm ³
Fracture toughness	≥3.5Mpa.m ^{1/2}
Translucency	43%-49%
Flexural strength after sintering	800MPa-1200MPa
Sintering temperature	1500°C

COLOR

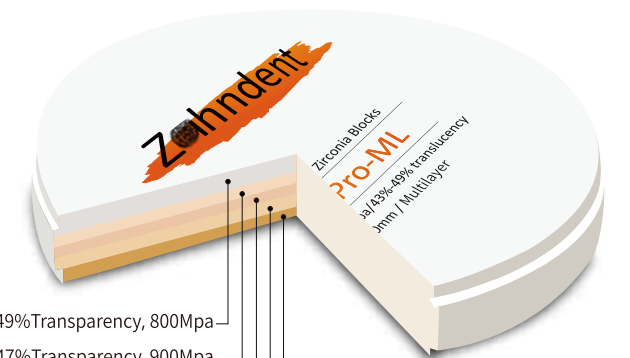


3D-Pro Multilayer Zirconia Block

RECOMMENDED INDICATIONS



EFFECT DRAWING



- 25% Enamel layer, 49%Transparency, 800Mpa
- 12.5% Gradient layer1, 47%Transparency, 900Mpa
- 12.5% Gradient layer2, 45%Transparency, 1000Mpa
- 15% Gradient layer3, 43%Transparency, 1100Mpa
- 35% Dentin layer, 42%Transparency, 1200Mpa

4D-Pro Multilayer Zirconia Block



MATERIAL ADAPTATION SYSTEM



1. Multilayer zirconium oxide with natural esthetics.
2. With natural color and translucency gradient and high flexural strength (1200 MPa cervical, 650 MPa incisal).
3. The strength of 650Mpa-1200Mpa is naturally gradual, the incisal is flexible, and the cervical is strong. The abrasion performance of the finished tooth is close to that of natural tooth enamel, which perfectly restores the chewing function of the tooth.
4. The color of the zirconia block is seamless and natural, and there is no need for subsequent internal dyeing and drying, which greatly saves the operation time, effectively avoids artificial dyeing errors, and improves the color accuracy of the restoration.

PHYSICAL PARAMETERS

Density after sintering	≥6.05g/cm ³
Fracture toughness	≥3.5Mpa.m ^{1/2}
Translucency	42%-57%
Flexural strength after sintering	650MPa-1200MPa
Sintering temperature	1500°C

COLOR



4D-Pro Multilayer Zirconia Block



RECOMMENDED INDICATIONS



EFFECT DRAWING



25% Enamel layer, 57%Transparency, 650Mpa
 12.5% Transition layer1, 52%Transparency, 800Mpa
 12.5% Transition layer2, 48%Transparency, 950Mpa
 15% Transition layer3, 44%Transparency, 1100Mpa
 35% Dentine layer, 42%Transparency, 1200Mpa

Zahndent will be your satisfactory dental material supplier

