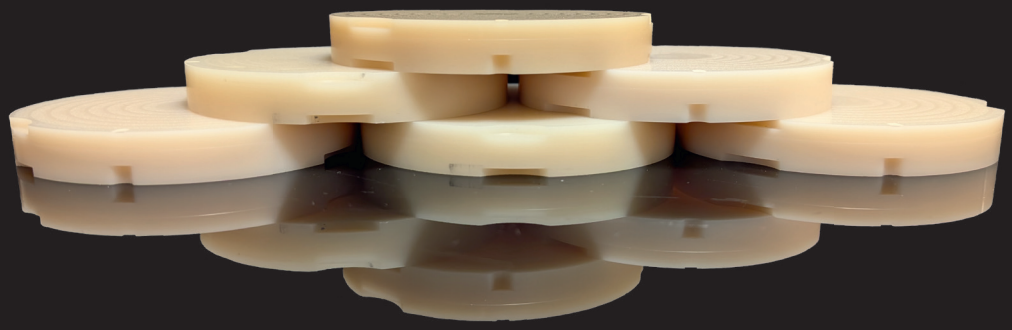
# AMBARINO® *High-Class*

## Hybrid Glass Ceramic

## One material for all indications

*Veneer · Inlay · Onlay · Crown · Bridge · Implant prosthetics · Non Invasive*

*New : diameter ZZ*





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ALPHABOND dental

AMBARINO® ***High-Class*** – Hybrid Glass Ceramic
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# Product Description

## The aim

developing AMBARINO High-Class as a material that blends in perfectly with the patient's mouth and harmonizes with the healthy antagonists.

## The solution

AMBARINO High-Class consists of a composite matrix of special polymers in which silicate glass fillers are embedded. The ratio between the two materials is optimized in such a way that the mechanical values correspond as best as possible to the natural properties of the tooth. The high-density composite matrix enables a X-ray visible, hardness-adapted and optimally elastic CAD/CAM material.

## Like the real tooth

The mechanical strength of AMBARINO High-Class is almost equal to that of natural enamel. The flexural module of AMBARINO High-Class comes very close to the elasticity values of dentin. Tensions in the material, increased abrasion on the opposing jaw and damage to the antagonists can thus be avoided.

## Ideal for bruxism

In the case of bruxism, splints help with the typical symptoms, but do not permanently prevent damage to the teeth. Minimally invasive occlusal surface veneers made of AMBARINO High-Class for correcting the bite position and provide an effective and completely natural remedy. Thanks to the dentine-like elasticity module, AMBARINO High-Class has a reliable shock-absorbing effect and is gentle on the antagonists.

## Easy to process, beautiful to look at

AMBARINO High-Class impresses with its aesthetic appearance and excellent polishability. The discs and blocks are highly resistant to chipping and cracking during grinding. This allows you to easily achieve excellent edge stability and smooth margins for brilliant restorations.

## Indications

Table tops, inlays, onlays, veneers, partial crowns, crowns and bridges (max. one pontic).

## Cementation

Sandblast the surface. Pre-treat with a suitable bonding agent, e.g. Luxatemp-Glaze & Bond (DMG) or Temp Bonding Fluid (Micerium), according to the manufacturer's instructions for use. Then glue with a suitable dual- or chemical-curing luting composite, e.g. Perma Cem (DMG) or ENA Cem (Micerium).

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## All sizes

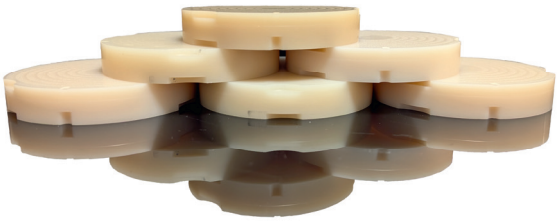



| Benefits | AMBARINO® *High-Class* | Zirconia | Acrylic |
|---|---|---|---|
| Feels like natural teeth | ✓ | ✗ | ✗ |
| Durable | ✓ | ✓ | ✗ |
| Light weight | ✓ | ✗ | ✓ |
| Shock absorbing | ✓ | ✗ | ✓ |
| Adjustable chairside | ✓ | ✗ | ✓ |
| Stain resistant | ✓ | ✓ | ✗ |
| Bends under stress | ✓ | ✗ | ✓ |
| Can drill for endodontics | ✓ | ✗ | ✓ |
| No sintering required | ✓ | ✗ | ✗ |
| Ideal for bruxism | ✓ | ✗ | ✗ |
| Ideal for implants | ✓ | ✗ | ✗ |
| Easily bounded | ✓ | ✗ | ✓ |

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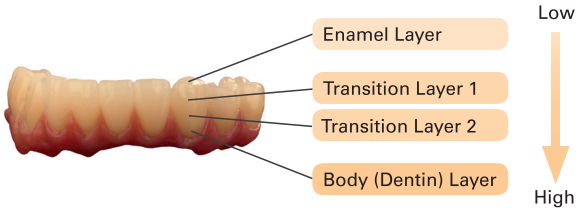
One material for all indications

## Disc diameter ZZ 95 mm



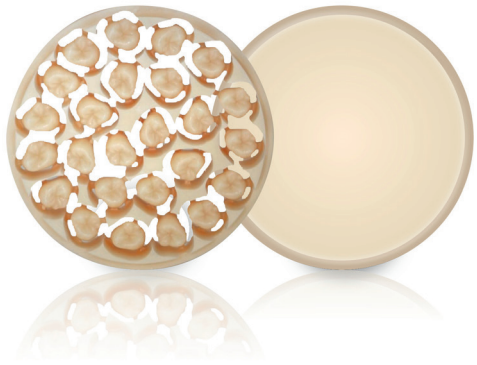
| REF | Item description |
|---|---|
| 160100 | AMBARINO High-Class Disc 95x16 mm A3 |
| 200100 | AMBARINO High-Class Disc 95x20 mm A3 |
| 160200 | AMBARINO High-Class Disc 95x16 mm A2 |
| 200200 | AMBARINO High-Class Disc 95x20 mm A2 |
| 162100 | AMBARINO High-Class Disc 95x16 mm A1 |
| 202100 | AMBARINO High-Class Disc 95x20 mm A1 |
| 161215 | AMBARINO High-Class Disc Veneer 95x16 mm Bleach 2 |
| 201215 | AMBARINO High-Class Disc Veneer 95x20 mm Bleach 2 |
| 162400 | AMBARINO High-Class Disc 95x16 mm A3,5 |
| 202400 | AMBARINO High-Class Disc 95x20 mm A3,5 |

## Disc diameter ZZ 95 mm Multicolor




| REF | Item description |
|---|---|
| 160108 | AMBARINO High-Class Disc 95x16 mm A3-MC |
| 200108 | AMBARINO High-Class Disc 95x20 mm A3-MC |
| 160208 | AMBARINO High-Class Disc 95x16 mm A2-MC |
| 200208 | AMBARINO High-Class Disc 95x20 mm A2-MC |
| 162108 | AMBARINO High-Class Disc 95x16 mm A1-MC |
| 202108 | AMBARINO High-Class Disc 95x20 mm A1-MC |
| 162408 | AMBARINO High-Class Disc 95x16 mm A3,5-MC |
| 202408 | AMBARINO High-Class Disc 95x20 mm A3,5-MC |

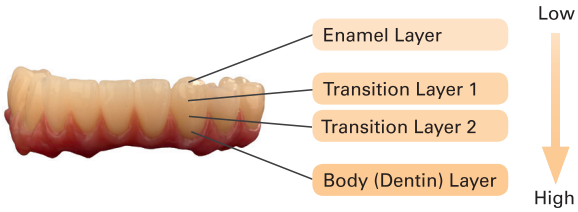
## Disc diameter 98 mm



| REF | Item description |
|---|---|
| 900100 | AMBARINO High-Class Disc 98x15 mm A3 |
| 900104 | AMBARINO High-Class Disc 98x20 mm A3 |
| 900105 | AMBARINO High-Class Disc 98x10 mm A3 |
| 900200 | AMBARINO High-Class Disc 98x15 mm A2 |
| 900204 | AMBARINO High-Class Disc 98x20 mm A2 |
| 900205 | AMBARINO High-Class Disc 98x10 mm A2 |
| 900300 | AMBARINO High-Class Disc 98x15 mm B1 |
| 900304 | AMBARINO High-Class Disc 98x20 mm B1 |
| 900305 | AMBARINO High-Class Disc 98x10 mm B1 |
| 902100 | AMBARINO High-Class Disc 98x15 mm A1 |
| 902102 | AMBARINO High-Class Disc 98x20 mm A1 |
| 902105 | AMBARINO High-Class Disc 98x10 mm A1 |
| 902200 | AMBARINO High-Class Disc 98x15 mm C2 |
| 902202 | AMBARINO High-Class Disc 98x20 mm C2 |
| 902205 | AMBARINO High-Class Disc 98x10 mm C2 |
| 902300 | AMBARINO High-Class Disc 98x15 mm D2 |
| 902302 | AMBARINO High-Class Disc 98x20 mm D2 |
| 902305 | AMBARINO High-Class Disc 98x10 mm D2 |
| 901215 | AMBARINO High-Class Disc Veneer 98x15 mm Bleach 2 |
| 901220 | AMBARINO High-Class Disc Veneer 98x20 mm Bleach 2 |
| 901221 | AMBARINO High-Class Disc Veneer 98x10 mm Bleach 2 |
| 901615 | AMBARINO High-Class Disc Veneer 98x15 mm Bleach 1 |
| 901620 | AMBARINO High-Class Disc Veneer 98x20 mm Bleach 1 |
| 902400 | AMBARINO High-Class Disc 15 mm 98xA3,5 |
| 902404 | AMBARINO High-Class Disc 20 mm 98xA3,5 |
| 902405 | AMBARINO High-Class Disc 10 mm 98xA3,5 |

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## Disc diameter 98 mm Multicolor




| REF | Item description |
|---|---|
| 900106 | AMBARINO High-Class Disc 98x15 mm A3-MC |
| 900107 | AMBARINO High-Class Disc 98x20 mm A3-MC |
| 900206 | AMBARINO High-Class Disc 98x15 mm A2-MC |
| 900207 | AMBARINO High-Class Disc 98x20 mm A2-MC |
| 900306 | AMBARINO High-Class Disc 98x15 mm B1-MC |
| 900307 | AMBARINO High-Class Disc 98x20 mm B1-MC |
| 902106 | AMBARINO High-Class Disc 98x15 mm A1-MC |
| 902107 | AMBARINO High-Class Disc 98x20 mm A1-MC |
| 901222 | AMBARINO High-Class Disc Veneer 98x15 mm Bleach 2-MC |
| 901223 | AMBARINO High-Class Disc Veneer 98x20 mm Bleach 2-MC |
| 902406 | AMBARINO High-Class Disc 15 mm 98xA3,5-MC |
| 902407 | AMBARINO High-Class Disc 20 mm 98xA3,5-MC |

## C-Block AHC14




| REF | Item description |
|---|---|
| 900911 | AMBARINO High-Class C-Block AHC14 A3 |
| 900912 | AMBARINO High-Class C-Block AHC14 A2 |
| 900913 | AMBARINO High-Class C-Block AHC14 B1 |
| 900914 | AMBARINO High-Class C-Block AHC14 A1 |
| 900915 | AMBARINO High-Class C-Block AHC14 C2 |
| 900916 | AMBARINO High-Class C-Block AHC14 D2 |
| 900921 | AMBARINO High-Class C-Block AHC14 A3,5 |
| 900923 | AMBARINO High-Class C-Block AHC14 Veneer Bleach 1 |
| 901402 | AMBARINO High-Class C-Block AHC14 Veneer Bleach 2 |

## C-Block AHC16 Multicolor

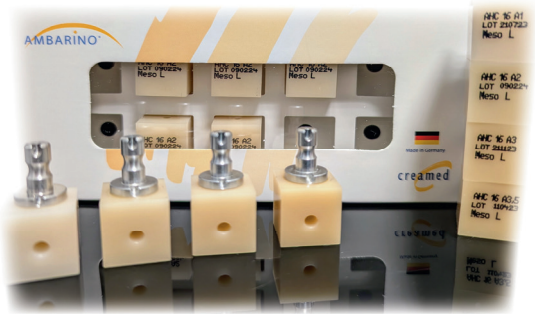



| REF | Item description |
|---|---|
| 901101 | AMBARINO High-Class C-Block AHC16-MC A3 |
| 901102 | AMBARINO High-Class C-Block AHC16-MC A2 |
| 901104 | AMBARINO High-Class C-Block AHC16-MC A1 |
| 901105 | AMBARINO High-Class C-Block AHC16-MC A3,5 |

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## C-Block AHC16 Meso S and L



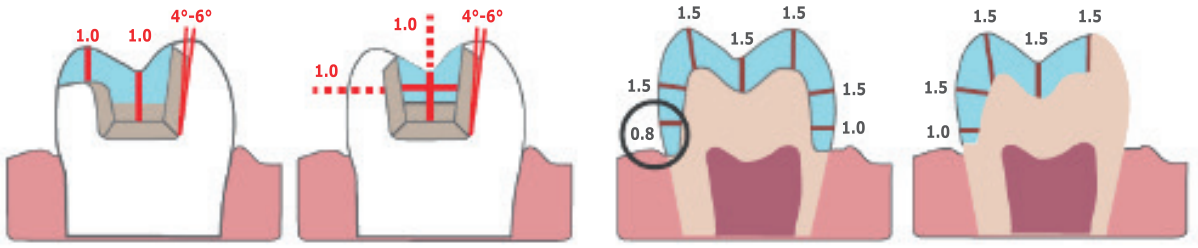

| REF | Item description |
|---|---|
| 901001 | AMBARINO High-Class C-Block AHC16-S A3 |
| 901003 | AMBARINO High-Class C-Block AHC16-S A2 |
| 901007 | AMBARINO High-Class C-Block AHC16-S A1 |
| 901009 | AMBARINO High-Class C-Block AHC16-S A3,5 |
| 901002 | AMBARINO High-Class C-Block AHC16-L A3 |
| 901004 | AMBARINO High-Class C-Block AHC16-L A2 |
| 901008 | AMBARINO High-Class C-Block AHC16-L A1 |
| 901010 | AMBARINO High-Class C-Block AHC16-L A3,5 |

## C-Block B40

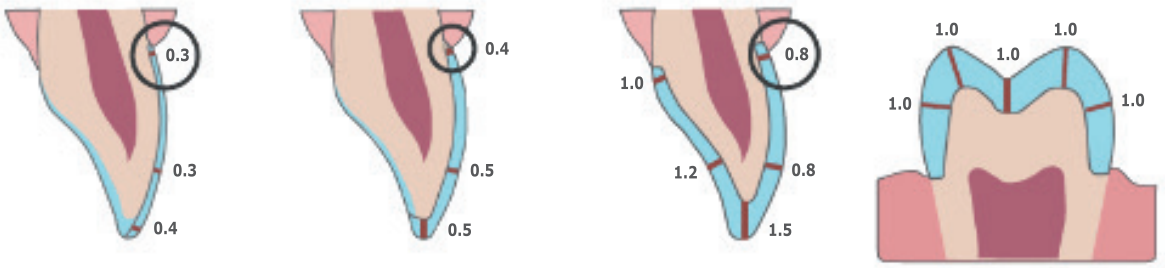


| REF | Item description |
|---|---|
| 900811 | AMBARINO High-Class C-Block B40 A3 |
| 900812 | AMBARINO High-Class C-Block B40 A2 |
| 900813 | AMBARINO High-Class C-Block B40 B1 |
| 900814 | AMBARINO High-Class C-Block B40 A1 |
| 900815 | AMBARINO High-Class C-Block B40 C2 |
| 900816 | AMBARINO High-Class C-Block B40 D2 |
| 900817 | AMBARINO High-Class C-Block B40 A3,5 |
| 901302 | AMBARINO High-Class C-Block Veneer B40 Bleach 2 |

## Preparation recommendations




Onlay | Inlay | Posterior crown | Partial crown




Ultra-thin veneer | Veneer | Anterior crown | Cover

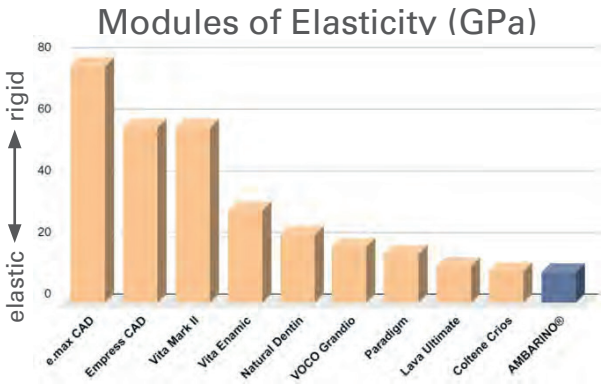
# AMBARINO® ***High-Class*** – Hybrid Glass Ceramic
# One material for all indications

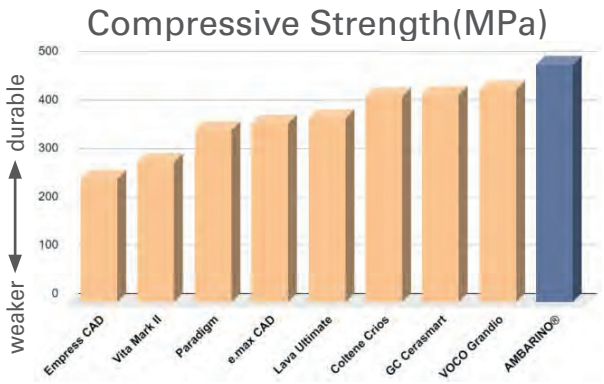
## Properties

### AMBARINO® High-Class is More Elastic

Modulus of Elasticity indicates whether the material will dampen the effects of chewing, allowing the restoration to flex and give under pressure, which reduces fractures and chips over time on all types of restorations.

AMBARINO® High-Class is more elastic compared to other modern millable dental ceramics and hybrids. Additionally, because an implant patient doesn't have the feedback mechanism and shock absorbing features of a periodontal ligament to rely on, elasticity of the restoration can also crucially reduce the transfer of energy to the underlying implants and bone structure.




### AMBARINO® High-Class is More Durable

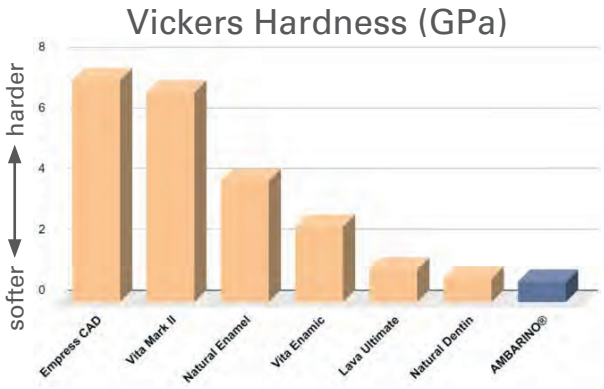
Compressive strength estimates the durability of a material when supported underneath by an implant or tooth structure, used to determine how a restoration will perform long term under tensile and shearing forces while clenching or chewing.

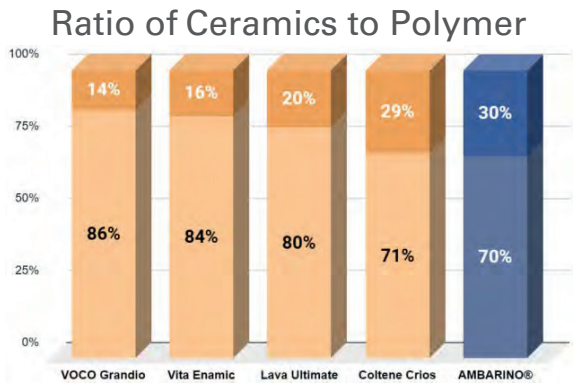
AMBARINO® High-Class is a more durable material compared to other ceramics, composites and hybrid materials. Mastication tests, simulating 1.2 million chewing cycles, illustrate that the material will wear well long term without fracturing or chipping.

### AMBARINO® High-Class is Less Brittle

Vickers hardness illustrates how hard or brittle a dental material is compared to natural tooth structures. Ceramics are harder than enamel, which sometimes results in an undesireable clacking or chopping sound and feeling when biting or chewing.

AMBARINO® High-Class is softer than natural dentin and other milled hybrid and ceramic dental materials, making the restorations more pliable, gentle and forgiving, both feeling better and sounding better for a high quality patient experience.




### AMBARINO® High-Class is a Perfect Blend

The challenge of developing a perfect hybrid dental material is to find that goldilocks zone with the most ideal combination of mechanical and esthetic characteristics from the blended materials.
AMBARINO® High-Class is manufactured in a proprietary process using the most modern polymers and aesthetic glass filler materials available. The higher polymer content results in restorations that are more durable and elastic compared to other hybrids, making them particularly ideal for implant cases.

# Why
# AMBARINO® High-Class?

