



ENA CAD

IN REAL COMPOSITE MATERIAL



Perfect functional
and aesthetic
biocompatibility



ENA CAD UD3M Disc 15 mm

ENA CAD

Discs & Blocks IN REAL COMPOSITE MATERIAL

Perfect Functional and Aesthetic Biocompatibility

Ena Cad discs and blocks can be used to fabricate fully anatomical monolithics, inlays, crowns and suprastructures for functional, aesthetic rehabilitation also on implants.

Ena Cad has a similar hardness of composite for restorations. It is not hard as zirconia, dental ceramic or other polymers and hybrids. This feature makes it easier to be milled and its physical characteristics are closer to natural teeth than other materials for restorations, allowing to better absorb the chewing stress and making it an ideal material for: inlays/onlays, crowns, implants overstructures.

Ena Cad Advantages vs Acrylic

- Similar to natural tooth
- Permanent
- Colour stability
- Ideal for patients with bruxism
- Ideal for implant prosthesis

Physical properties

Vickers hardness	680-700 MPa
Modulus of elasticity	9.500-10.000 MPa
Flexural strenght	160-180 MPa
Compressive strenght	475-495 MPa
Filler content	70% (weight)
Radiopacity	210% (Aluminium)

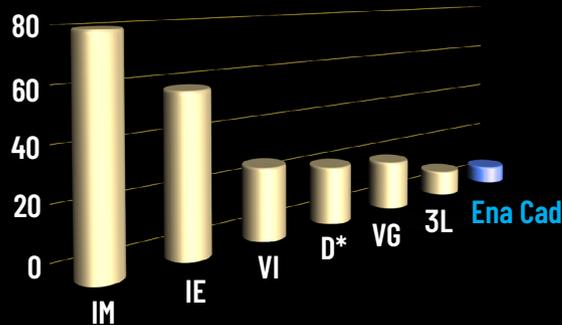
Ena Cad Advantages vs Ceramic / Zirconia

- Similar to natural tooth
- Light
- Optimal stress absorption
- Modifiable after cementation
- Flexible under load
- Possibility of access to the root canal
- Ideal for patients with bruxism
- Ideal for implant prosthesis
- Adhesion (chemical bond)

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Discs & Blocks

E-Modulus GPa



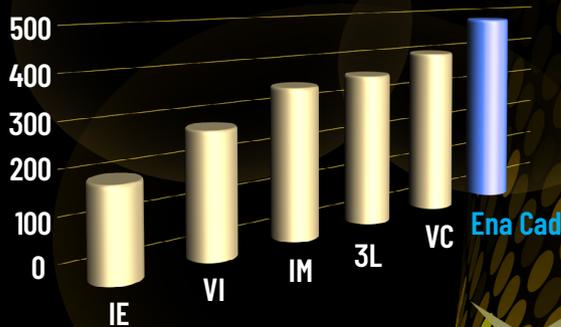
*Natural dentine

Ena Cad is very elastic

Modulus of elasticity (low=high elasticity) means the capability of a material to absorb the chewing effects, allowing the restoration to be flexible, reducing the risk of fracture and chipping over time.

Ena Cad is more elastic than zirconia, ceramic and other hybrid for milling. Furthermore, as a patient with implants cannot absorb the stress with the periodontal ligament, the elasticity of the restoration can reduce decisively the stress transferred to the implants and the bone.

Compressive strength MPa



Ena Cad is more resistant

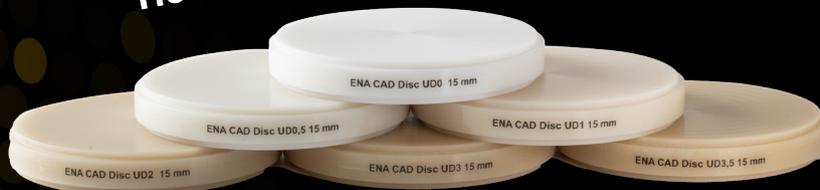
Compressive strength allows to estimate the longevity of a restoration both on implant and on dental structure under chewing forces.

Ena Cad is a material that allows the restoration to last more time than zirconia, ceramic and other hybrid for milling. Tests that simulate 1,2 millions chewing cycles show that the material has a natural wear without fractures or chipping.

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Discs & Blocks

Monolayer



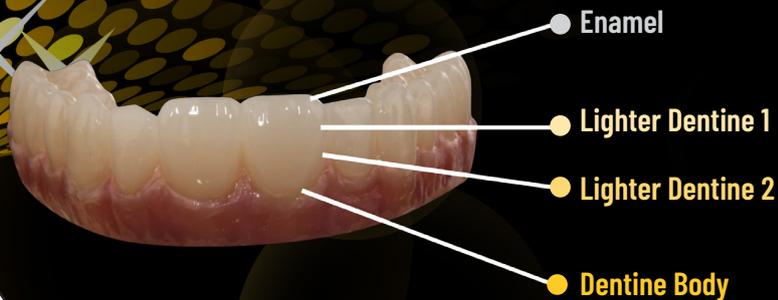
Multilayer

PERFECT FUNCTIONAL AND AESTHETIC BIOCOMPATIBILITY

Ena Cad discs and blocks can be used to fabricate fully anatomical monolithics, inlays, crowns and suprastructures for functional, aesthetic rehabilitation also on implants.

Discs and blocks are available in the monolayer version in the following shades:

UD0, UD0,5, UD1, UD2, UD3 and UD3,5 shades UD1, UD2, UD3 y UD3,5 are available also in multilayer discs to offer additionally a better aesthetic integration especially in anterior area.



Low Chroma
High translucency



High Chroma
Low translucency



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Multilayer Discs

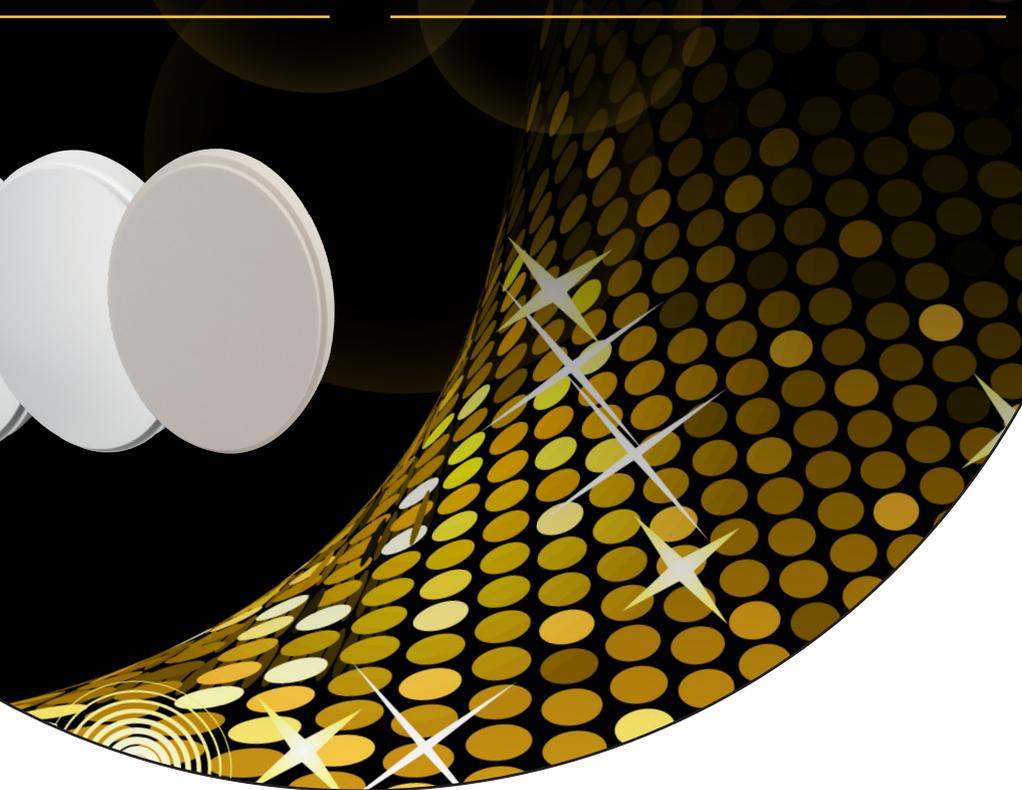
Diameter 98,5 mm., thickness 15/20 mm.

 **TCDMUD1-15** Ena Cad Disc Multilayer UD1 15x98,5 mm.
TCDMUD1-20 Ena Cad Disc Multilayer UD1 20x98,5 mm.

 **TCDMUD2-15** Ena Cad Disc Multilayer UD2 15x98,5 mm.
TCDMUD2-20 Ena Cad Disc Multilayer UD2 20x98,5 mm.

 **TCDMUD3-15** Ena Cad Disc Multilayer UD3 15x98,5 mm.
TCDMUD3-20 Ena Cad Disc Multilayer UD3 20x98,5 mm.

 **TCDMUD35-15** Ena Cad Disc Multilayer UD3,5 15x98,5 mm.
TCDMUD35-20 Ena Cad Disc Multilayer UD3,5 20x98,5 mm.



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Monolayer Discs

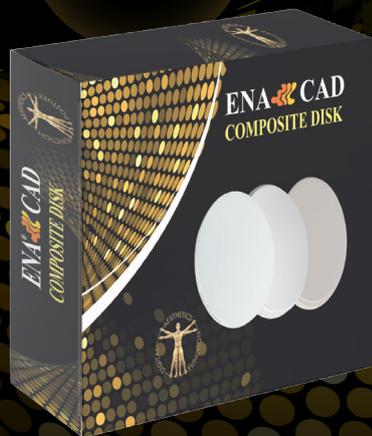
Diameter 98,5 mm., thickness 10/15/20 mm.



TCDUD2-10	Ena Cad Disc UD2 10x98,5 mm.
TCDUD2-15	Ena Cad Disc UD2 15x98,5 mm.
TCDUD2-20	Ena Cad Disc UD2 20x98,5 mm.

TCDUD3-10	Ena Cad Disc UD3 10x98,5 mm.
TCDUD3-15	Ena Cad Disc UD3 15x98,5 mm.
TCDUD3-20	Ena Cad Disc UD3 20x98,5 mm.

TCDUD35-10	Ena Cad Disc UD3,5 10x98,5 mm.
TCDUD35-15	Ena Cad Disc UD3,5 15x98,5 mm.
TCDUD35-20	Ena Cad Disc UD3,5 20x98,5 mm.



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Monolayer Blocks

Dimensions: 14,7x14,7 mm. x h.18 mm.



TCBUD0,5-6 Ena Cad Block S UD0,5 (6 pcs.)



TCBUD1-6 Ena Cad Block S UD1 (6 pcs.)



TCBUD2-6 Ena Cad Block S UD2 (6 pcs.)



TCBUD3-6 Ena Cad Block S UD3 (6 pcs.)



TCBUD35-6 Ena Cad Block S UD3,5 (6 pcs.)



*Inlays made with Ena Cad characterized with
Enamel plus Stain (Daniele Rondani)*



ENA CAD TREATMENT FOR LUTING AND CORRECTION

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1. Surface to bond:
Surface Treatment: Sandblasting
50µ or grinding (+ cleaning)
2. Conditioner / Adhesive:
Temp Bonding Fluid (Light curing)
- 3a. Ena Cem HV (light curing), Ena Cem HF
(Dual) depending on where is luted
(see the various options on the side)
- 3b. Characterization Stains / Flow / Dentine
& Enamel shades Enamel plus HRI.
Tender Pink (Light curing*).

*Note: Cure each layer of maximum 1mm thickness,
to avoid contractions.*



**GRUPPO
MICERIUM**

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1.

**SANDBLASTER
DENTOPREP**
RON1900



2.

TEMP BONDING FLUID
for correction and repair
resin-composite, composite-composite



3a.

ENA CEM TRY IN for color test
CPCTUD0 (BD0) • CPCTUD1 (BD1) • CPCTUD2 (BD2)
CPCTUD3 (BD3) • CPCTUD4 (BD4) • CPCTUT (TRASPARENTE)



3a.

ENA CEM^{HV} light-curing
CPCBDO 2g • CPCBD1 (A1*) 2g
CPCBD2 (A2*) 2g • CPCBD3 (A3*) 2g
CPCBD4 (A4*) 2g • CPCBDU Transparent 2g



3a.

ENA CEM^{HF} dual
CPCUD1* • CPCUD2* • CPCUD3* • CPCUD4*



3b.

KIT ENAMEL PLUS STAIN
Fluorescent intensive colours in syringe
white, yellow, orange, blue, brown, dark brown
6 Brush (2 type C - 2 type F - 2 type M)



3b.

TENDER PINK
Pink light-curing composite,
Pink Orange, Pink Light,
Pink Dark, Pink Transparent
Pink paste opaque
Enamel plus Stain Flow:
Red, Blue, White

ENA CAD UD3M DISC 15 17