



EGE DENTAL
E N D Ü S T R İ

Ege Dental Endüstri was founded in 1983, Izmir, TÜRKİYE by Dr. Rasim EGELİ. It has been a pioneer and a leading company in dental laboratory consumables production with its experience dating back many years to this present day.

As a result of our researches in the dental field, **Ege Dental Endüstri** has been serving the dental industry for many years providing high quality products.

By prioritizing our customers requests and suggestions, Our company is determined to maintain its elaborated brand both in domestic and international markets.

Due to its high production capacity, quality and ability to offer fast delivery, **Ege Dental Endüstri** has become a prospering company that's giving services to leading dental prosthesis laboratories and doctors from all over the world.

It is **Ege Dental Endüstri's** principle to provide services and products manufactured with high technology and modern methods, to differentiate itself through continuous development and to grow by providing continuity in quality.



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INVESTMENT MATERIALS



MICROVEST-RAPID

Precision casting investment material without graphite for crown and bridge alloys. Optimum fit is achieved for all crown and bridge alloys through dilution of Microsol liquid.

Microvest-Rapid is developed to be compatible with different applications like pressable ceramics and 3d printed models.



Technical Data

Working Time: 7 Minutes (23 °C)

Setting Required
Prior to Burnout: 30 Minutes

Setting Expansion: 0.9%

Thermal Expansion: 1.4%

Burnout Temperature: 900-960°C

Packaging

112 x 160 gr packs 4 liter microsol

55 x 160 gr packs 2 liter microsol

Features

- Graphite-free, phosphate-bonded precision casting investment material for crown and bridge
- For conventional or shock-heat processing
- Free or controllable expansion
- Very fine grain
- Compatible with all types non-precious and precious alloys
- Excellent precision in large bridges
- Smooth alloy surface after casting

MACROVEST

Precision casting investment material without graphite for partial denture alloys.

Macrovest is suitable for conventional and speed casting technique. It's fine grain size offers smooth alloy surface after casting.

Optimum fit is achieved for all crown and bridge alloys through dilution of Macrosol liquid. May be used with any duplicating material intended for chrome investments.



Technical Data

Working Time: 4 Minutes (23 °C)

Setting Required
Prior to Burnout: 45 Minutes

Setting Expansion: 0.3%

Thermal Expansion: 1.0%

Burnout Temperature: 950-1000°C

Packaging

45 x 400 gr packs 2 liter macrosol

25 x 400 gr packs 1 liter macrosol

Features

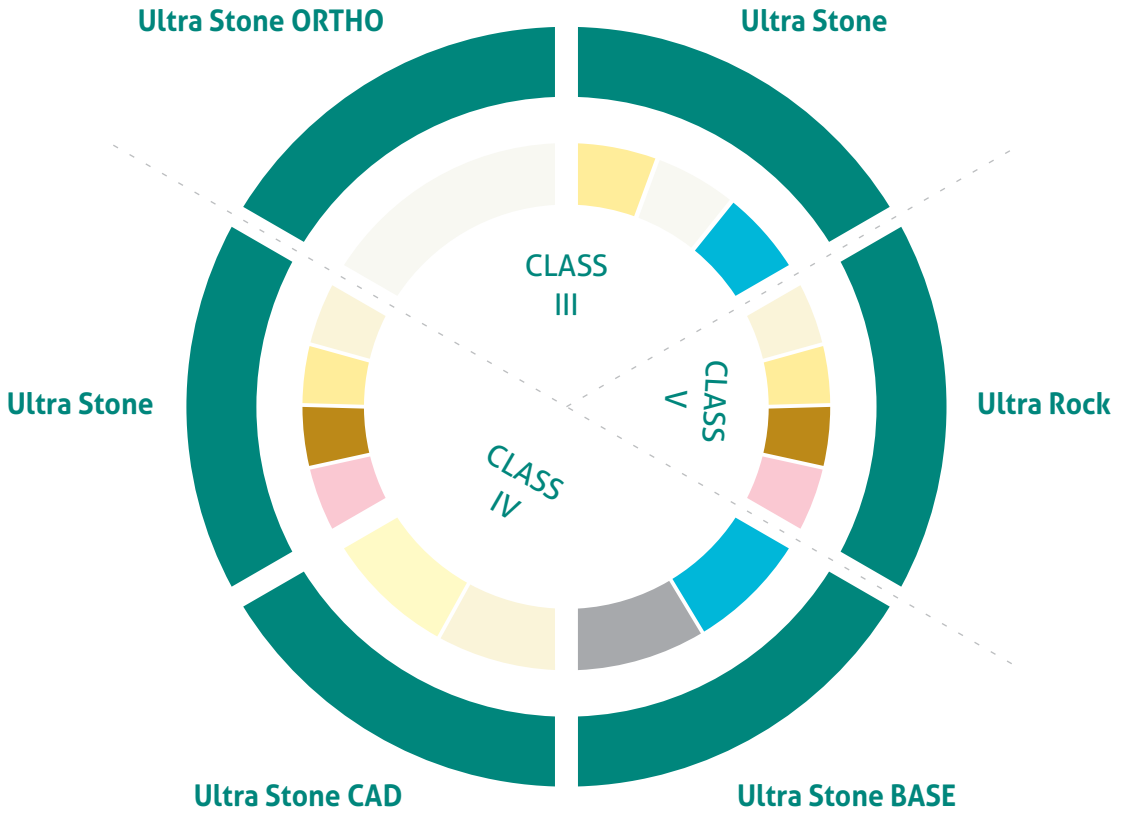
- Phosphate-bonded partial denture investment material
- Special investment material for gel and silicone duplication with conventional or shock-heat processing
- Refractory cast is hard and strong
- Very smooth casting surface
- Excellent flow properties
- Expansion is precisely regulated by varying the concentration of the liquid

DENTAL PLASTERS





Ege Dental Endüstri manufactures high quality synthetic and natural plasters according to user's demands. We offer our products with a wide range of colors for different applications. With our high production capacity, we also do private labeling for our customers.



NOVA ROCK TYPE V

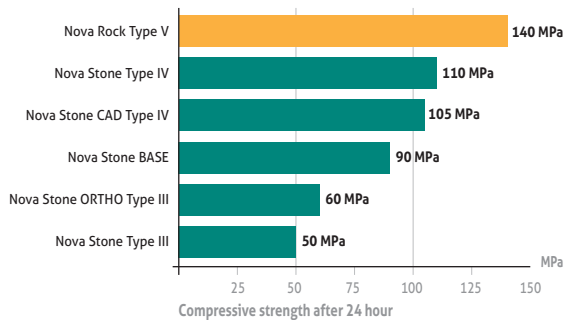
A low expansion synthetic ultra hard die stone formulated to produce a hard, glass-like surface for fixed prosthesis and chrome models. Has a high compressive strength that is non-brittle. Produces accurate models.



Physical Properties

Type	Class V
Water / Powder Ratio	20 ml / 100 g
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	1 minutes
Working Time	4 minutes
Setting Time	6 minutes
Hardening Time	30 minutes
Setting Expansion	0.08% Max

Colours: Beige, Yellow, Golden Brown, Pink.



Packaging

20 kg Plastic Container

1 kg Bags

NOVA STONE TYPE IV

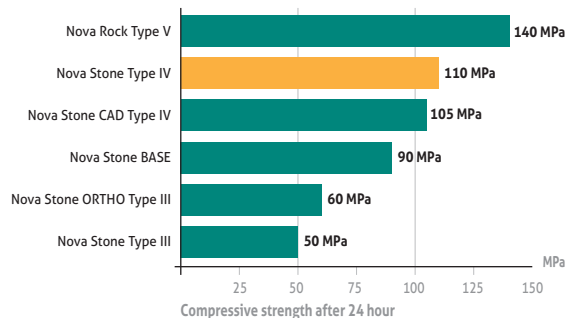
Synthetic extra hard die stone offering both a low setting expansion, and a high abrasion resistance. A high strength, low expansion crown and bridge die stone that produces smooth, hard and accurate surfaces. It's smooth non-reflective surface and high durability makes trimming full models, ditching dies and scanning easy and reliable.



Physical Properties

Type	Class V
Water / Powder Ratio	20 ml / 100 g
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	1 minutes
Working Time	4 minutes
Setting Time	6 minutes
Hardening Time	30 minutes
Setting Expansion	0.08% Max

Colours: Beige, Yellow, Golden Brown, Pink.



Packaging

20 kg Plastic Container

1 kg Bags

NOVA STONE CAD TYPE IV

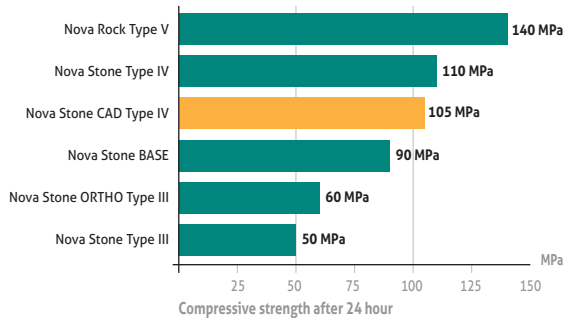
Nova Stone CAD has been developed for opto-electronic scanning. It prevents interfering reflections in the defined wavelengths. Due to the special composition very good results are achieved in surface digitization. Low expansion setting, high thixotropicity, optimal working time and resistance to abrasion are a guarantee for obtaining accurate, homogeneous and chippings free models with smooth surfaces.



Physical Properties

Type	Class IV
Water / Powder Ratio	25 ml
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	1 minutes
Working Time	4 minutes
Setting Time	7 minutes
Hardening Time	30 minutes
Setting Expansion	0.09% Max

Colours: Beige, Light Yellow.



Packaging

20 kg Plastic Container

1 kg Bags

NOVA STONE BASE

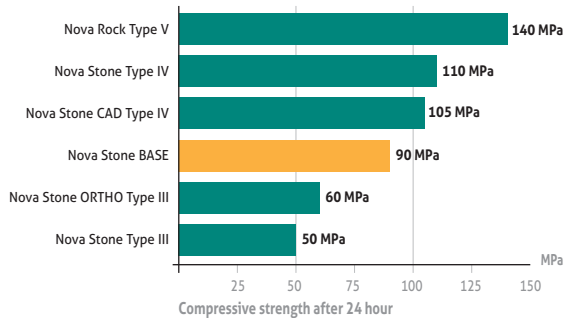
Nova Stone BASE is fluid base stone offering both properties of natural and synthetic stone. Thanks to it's fluid formulation, preparing of bases easy and reliable without vibrator. Low expansion base stone that produces smooth, hard and accurate bubble-free surfaces due to low viscosity.



Physical Properties

Type	Class IV
Water / Powder Ratio	25 ml
Soaking Time	30 seconds
Mixing Time (Mechanical)	30 seconds
Mixing Time (Manual)	1 minutes
Working Time	4 minutes
Setting Time	7 minutes
Hardening Time	30 minutes
Setting Expansion	0.1% Max

Colours: Blue, Grey.



Packaging

20 kg Plastic Container

1 kg Bags

NOVA STONE ORTHO TYPE III

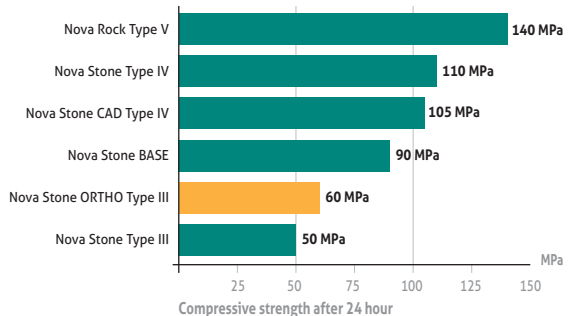
Nova Stone Ortho has been formulated for all orthodontic models, demonstration and diagnostic models. The extra fine granulometry is a guarantee for obtaining accurate fine and homogeneous stone with high hardness. Its smooth surface and high pressure resistance are special characteristics of this natural hard stone.



Physical Properties

Type	Class III
Water / Powder Ratio	30 ml / 100 g
Soaking Time	15 seconds
Mixing Time (Manual)	1 minutes
Working Time	5 minutes
Setting Time	7 minutes
Setting Expansion	0.15%

Colours: Extra white.



Packaging

20 kg Plastic Container

1 kg Bags

NOVA STONE TYPE III

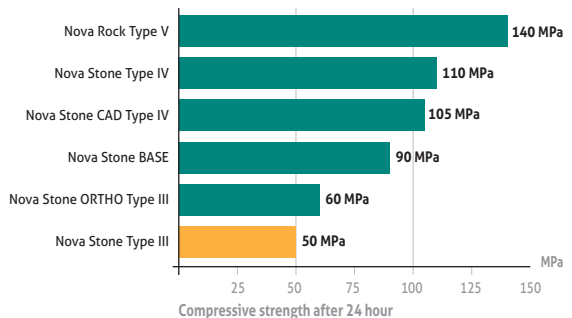
Natural material used primarily for full or partial denture models. It can also be used for study models. The fast setting formula can be used for articulations requiring a bit more accuracy than using plasters.



Physical Properties

Type	Class III
Water / Powder Ratio	30 ml / 100 g
Soaking Time	15 seconds
Mixing Time (Manual)	1 minutes
Working Time	5 minutes
Setting Time	7 minutes
Setting Expansion	0.15%

Colours: Yellow, White, Blue.



Packaging

20 kg Plastic Container

1 kg Bags

3D PRINTER RESINS



D-CAST

D-CAST is an ash free and easy burn out 3D printing material. Ideal for crown & bridge burnout patterns, partial frameworks and laminated. Consequently, patterns printed in D-CAST feature burnout similar to injection wax. Simply design and print your parts by using our castable material and the investment material that is recommended.



Property	Procedure	D-Cast
Flexural strength	ISO 178	85 MPa
Elastic modulus	ISO 178	1950 MPa
Elongation at break	ISO 178	% 6
Shore hardness	ISO 7619-1	85 D
Tensile strength	DIN 53504	40 Mpa
Viscosity (23°C)	DIN 53019-1	0.3 Pa s

Colours:

Green.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

MODEL

MODEL resin has been formulated to create high resolution dental models, with fast printing. It creates precise measurement model for fixed and removable prostheses. Our model resin is highly accurate, stable, provides high detail resolution, low shrinkage and long-lasting toughness. The models show highly visual details due to color and opacity and has an ideal surface for scan impressions.



Property	Procedure	Model
Flexural strength	ISO 178	110 MPa
Elastic modulus	ISO 178	2400 MPa
Elongation at break	ISO 178	% 5
Shore hardness	ISO 7619-1	85 D
Tensile strength	DIN 53504	55 Mpa
Viscosity (23°C)	DIN 53019-1	0.9 Pa s

Colours:

Grey, Orange, Light Pink.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

X-DENTURE

X-DENTURE is biocompatible material developed for printing all types of removable denture bases. Compared to conventionally used PMMA-based materials, this material has excellent mechanical properties and low shrinkage thus offers a high degree of accuracy. Surface of the cured material can be easily polished with conventional methods. X-DENTURE is a very stable resin that gives stability in quality and color in the long term. The printed resin is odorless and tasteless, highly resistant to oral conditions and is completely MMA free.



Property	Procedure	X-Denture
Flexural strength	ISO 178	110 MPa
Elastic modulus	ISO 178	2500 MPa
Elongation at break	ISO 178	% 7
Shore hardness	ISO 7619-1	85 D
Tensile strength	DIN 53504	60 Mpa
Viscosity (23°C)	DIN 53019-1	0.5 Pa s

Colours:

Translucent Pink, Opaque Pink.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

DENFLEX

DENFLEX is biocompatible material developed for printing all types of flexible removable denture bases. DENFLEX dentures offer the same mechanical properties with thermo-injectable materials that allow for multiple applications for removable dentures. Compared to conventionally used PMMA-based materials, this material has excellent mechanical properties and low shrinkage thus offers a high degree of accuracy. Surface of the cured material can be easily polished with conventional methods. DENFLEX is a very stable resin that gives stability in quality and color in the long term. The printed resin is odorless and tasteless, highly resistant to oral conditions and is completely MMA free.



Property	Procedure	Permanent
Flexural strength	ISO 178	105 MPa
Elastic modulus	ISO 178	3000 MPa
Elongation at break	ISO 178	% 30
Shore hardness	ISO 7619-1	90 D
Tensile strength	DIN 53504	100 Mpa
Viscosity (23°C)	DIN 53019-1	0.7 Pa s

Shades:

Translucent Pink, Opaque Pink, Clear.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

TEMPORARY

TEMPORARY resin is a biocompatible material developed for crowns and bridges. The balance between inorganic fillers and the resin gives the material its strength. The resin offers high wear resistance, ideal physical and mechanical properties. Its performance and strength are the same as conventional acrylic and additionally, its dimensional stability under temperature changes is minimal. Extremely short fabrication times and low material consumption equate to cost efficient production in the laboratory.



Property	Procedure	Temporary
Flexural strength	ISO 178	120 MPa
Elastic modulus	ISO 178	4800 MPa
Elongation at break	ISO 178	% 4
Shore hardness	ISO 7619-1	85 D
Tensile strength	DIN 53504	80 Mpa
Viscosity (23°C)	DIN 53019-1	1.2 Pa s

Colours:

BL1, A1, A2.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

SG

SG is a biocompatible material developed for digital manufacturing of surgical guides. Because of the high precision of this resin it is easy to insert drill sleeves, directly after printing. Enabling highly accurate surgical guides during surgery. The material can also be sterilized by autoclave, steam, ethylene oxide, or gamma rays without affecting dimensional stability, physical properties and biocompatibility.



Property	Procedure	SG
Flexural strength	ISO 178	90 MPa
Elastic modulus	ISO 178	2100 MPa
Elongation at break	ISO 178	% 7
Shore hardness	ISO 7619-1	80 D
Tensile strength	DIN 53504	30 Mpa
Viscosity (23°C)	DIN 53019-1	1.5 Pa s

Colours:

Clear.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

X-SPLINT RIGID

X-SPLINT RIGID is a biocompatible material developed for digital manufacturing of splints, nightguards and repositioners requiring rigidity. It is a clear and thereby aesthetically-pleasing 3D print material, characterised by high strength and fracture toughness.



Property	Procedure	X-Splint Rigid
Flexural strength	ISO 178	80 MPa
Elastic modulus	ISO 178	2050 MPa
Elongation at break	ISO 178	% 6
Shore hardness	ISO 7619-1	80 D
Tensile strength	DIN 53504	45 Mpa
Viscosity (23°C)	DIN 53019-1	1.5 Pa s

Colours:

Clear.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

TRY-IN

Try-in Resin is a biocompatible material developed for manufacturing of functional and aesthetic try-ins to check bite registration and occlusion of dentures. Ultra Resins Try-in is easily characterized to create natural-looking gingiva for the trial appointment. This material can be printed monolithic or as a baseplate combined with individual tooth setup for maximum flexibility.



Property	Procedure	Permanent
Flexural strength	ISO 178	105 MPa
Elastic modulus	ISO 178	2400 MPa
Elongation at break	ISO 178	% 5
Shore hardness	ISO 7619-1	90 D
Tensile strength	DIN 53504	100 Mpa
Viscosity (23°C)	DIN 53019-1	0.5 Pa s

Shades:

BL, B1.

Printer compatibility:

385nm and 405nm.

Packaging

1000 gr

LIGHT CURING MATERIALS



PRO GLAZE UV

Pro Glaze UV is high gloss acrylic based temporary glaze for 3d printed temporary crowns and bridges. It is biocompatible and does not contain methyl methacrylate. Using Pro Glaze UV increases mechanical strength and durability of 3d printed crown and bridges. It is cured under LED-UV sources without tack layer and do not require further sanding. Pro Glaze UV is also suitable for PMMA discs for milling and for manually prepared composite parts.



Property	Procedure	Result
Viscosity (25 °C)	ASTM D2393	0.1 Pa.s
Solubility (24h)	ASTM D3132	≤ 0.01 %
Gloss level	ISO 2813	>80 G.U.
Shore hardness	ISO 868	85 D
Odor	-	None
Colour	-	Transparent



High Gloss Finish
High polish and gloss
far improved esthetics



Strength
Significantly increases
mechanical strength



Biocompatible
Biocompatible material



Light-Cured
Light cured material

Packaging

30 ml

PRO GLAZE UV+

Pro Glaze UV+ is high gloss acrylic based permanent or long term glaze for 3d printed crowns, bridges, splints, basis prothesis etc. It is biocompatible and does not contain methyl methacrylate. Using Pro Glaze UV+ increases part's mechanical strength and durability. It is cured under LED-UV sources without tack layer and do not require further sanding. Pro Glaze UV+ is also suitable for PMMA discs for milling and for manually prepared composite parts.



Property	Procedure	Result
Viscosity (25 °C)	ASTM D2393	0.1 Pa.s
Solubility (24h)	ASTM D3132	≤ 0.01 %
Gloss level	ISO 2813	>90 G.U.
Shore hardness	ISO 868	87 D
Odor	-	None
Colour	-	Transparent



High Gloss Finish
High polish and gloss far improved esthetics



Strength
Significantly increases mechanical strength



Biocompatible
Biocompatible material



Light-Cured
Light cured material

Packaging

30 ml

PRO PATTERN RESIN

PRO PATTERN RESIN is an ready to use universal one-component light curing material that burns out cleanly without residue. This light-curing gel material is generally used for the production of dental patterns that are converted into metal castings. The material cures without distortion and is dimensionally stable providing high strength and surface hardness.

PRO PATTERN RESIN is available as modeling gel.



Properties

Easy modeling and control.

Fast polymerisation

Easy to grind and contour.

Burns out clean.

Use with conventional wax.

Shades:

Red and Blue.

Packaging

3 x 3 ml

PRO UV OPAQUE

PRO UV OPAQUE is light-curing paste opaque which offers excellent masking properties and bonding strengths to all commonly used dental alloys, due to micro-fillers. The thixotropic properties make the pastes soft and flowable, they are applied very easily and quickly.



Indications

Masking of frameworks made of precious and non-precious alloys

Masking of metal in restoration of post and core crowns

Shades:

Bleach, B1, A1, A2 and Pink.

Packaging

3 x 3 ml

PRO BLOCK OUT RESIN

PRO BLOCK OUT RESIN is light curing material and used for creating reservoir space in bleaching trays. It's also useful for other laboratory procedures such as model and die repairs. PRO BLOCK OUT RESIN can also be used for other laboratory procedures requiring spacing or undercut block out, and to repair small fractures or voids in laboratory models. It is not intended for intraoral use.



Indications

For creating reservoir space for bleaching trays

For stone model repairs

Other laboratory procedures

Shades:

Blue.

Packaging

3 x 3 ml

PRO GUM

PRO GUM is a light-curing acrylic resin, which can be used easily and efficiently for characterization of prosthetics, masking of implants and time-consuming repairs. Its excellent mechanical strength and operability make possible a fast and perfect production without air bubbles. PRO GUM is free of MMA and therefore highly compatible and It can be cured in all standard dental curing units without vacuum.



Indications

Repair of defects, such as pores and fissures in dental prostheses.

Manufacture of provisional prostheses.

Fixation and modification of overdenture.

Modellation of gingiva.

Shades:

Pink, Translucent Pink,
Dark Pink, Clear.

Packaging

3 x 3 ml

ACRYLICS



ULTRACRYL HC

Ultracryl HC is a conventional heat-curing denture base material and forms a solid of full and partial dentures. It has long, user-friendly processing time and low residual monomer content immediately after manufacture. This cadmium-free acrylic has a conventional long polymerisation cycle. Ultracryl HC can be processed reliably, easily and for a variety of system-independent applications using the conventional flask and injection moulding procedures.



Technical Data

Mixing ratio Powder/Liquid:	10 : 4
Swelling phase approx.	10 min.
Processing- and pressing phase approx.	45 min.
Polymerization at 95 °C	20 min.
Flashpoint	10 °C
Flexural strength	84 MPa
Flexural modulus	2318 MPa
Water sorption	25.2 µg/mm ³
Solubility	0.6 µg/mm ³

Features

- Full dentures
- Partial dentures

Product shades

Ultracryl HC is available in the following shades:

- colorless / clear, opaque pink.

Packaging

1000g powder	500 ml liquid
50 kg powder	25 L liquid

ULTRACRYL CC

Ultracryl CC is a cold-curing denture base material developed for the pouring method for rational processing of partial and full dentures. It is especially suited for casting in gel, hydrocolloid or Silicone duplication moulds. Ultracryl CC has an excellent flow and fit accuracy.



Technical Data

Mixing ratio Powder/Liquid:	10 : 7
Thickening phase approx.	1 min.
Pouring phase approx.	3 min.
Plastic phase approx.	20 min.
Pressure polymerization at 45 - 50 °C approx.	15 min.
Flashpoint:	10 °C
Flexural strength	80 MPa
Flexural modulus	2324 MPa
Water sorption	23.4 µg/mm ³
Solubility	1.9 µg/mm ³

Features

- Full and partial dentures
- Relining of full and partial dentures
- Repair of full and partial dentures
- Extensions to dentures

Product shades

- Ultracryl CC is available in the following shades:
- colorless / clear, opaque pink.

Packaging

1000g powder	500 ml liquid
50 kg powder	25 L liquid

ULTRAPRESS

Ultrapress is a multifunctional self polymerizing acrylic which is perfectly useable as a pouring, injection, press rebasing and as a repair acrylic. It demonstrates excellent flow and modelling properties. The advantages of this acrylic are: minimized shrinkage, colour stable in the long run, stable polymerisation cycle with a perfect end result.



Technical Data

Mixing ratio Powder/Liquid:	10 : 7
Thickening phase approx.	1 min.
Pouring phase approx.	3 min.
Plastic phase approx.	3 min.
Pressure polymerization at 45 - 50 °C approx.	7 min.
Flashpoint:	10 °C
Flexural strength	80 MPa
Flexural modulus	2324 MPa
Water sorption	23.4 µg/mm ³
Solubility	1.9 µg/mm ³

Features

- Full and partial dentures
- Finishing of framework
- Implant overdentures
- Extensions to dentures
- Repair, relining and rebasing of dentures
- Dental splints

Product shades

Ultrapress is available in the following shades:

- colorless / clear, opaque pink.

Packaging

1000g powder	500 ml liquid
50 kg powder	25 L liquid



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