

dental program



Introduction

Welcome by MEGADENTA !

Products for dentists and dental laboratories have been produced in Radeberg and sold throughout the world ever since Hutschenreuther Zahnfabrik "SAXONIA" founded there in 1920.

MEGADENTA Dentalprodukte GmbH is now successfully continuing this 90-year tradition with there own research and development facilities where innovative, high quality products are developed and produced to fulfil the ever-growing requirements of the dental service. This has been confirmed by certification according to ISO 9001:2008 and ISO 13485:2003 + AC 2007 in conformity with the stringent stipulations governing the production of medical devices. The products of MEGADENTA are exported to customers in more than 50 countries worldwide. Active communication with trade partners ensures the continuous further development of products and practice-conforming materials in keeping with the very latest demands.

A new finished company building for production and development will be insure that MEGADENTA will be able to offer you attractive, innovative and high quality products today and in the future.



MEGADENTA is member of Association of German Dental Manufactures (VDDI).



Product overview

Filling materials

Page 2



Adhesive systems

Page 8



Prophylaxe materials

Page 10



Cements

Page 11



Impression materials

Page 13



Tray materials

Page 14



Veneering materials

Page 16



Denture base materials

Page 17



Auxiliaries

Page 18



Light polymerization units

Page 21



Your direct contact to MEGADENTA :

Info-Hotline: Phone: +49 (0) 35 28 / 4 53-0
info@megadenta.de

Export department: Phone: +49 (0) 35 28 / 4 53-11
sale@megadenta.de

MEGADENTA Dentalprodukte GmbH

Carl-Eschebach-Strasse 1 A
D-01454 Radeberg, Germany

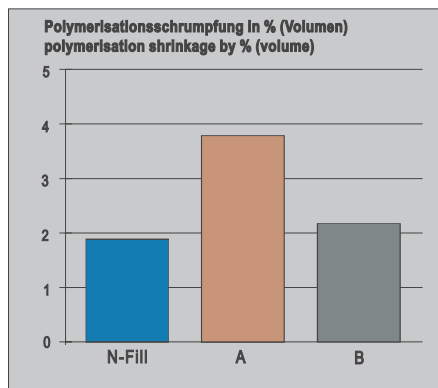
Phone: +49 (0) 35 28-4 53-0
Fax +49 (0) 35 28-4 53-21

E-Mail: info@megadenta.de
Web: www.megadenta.de

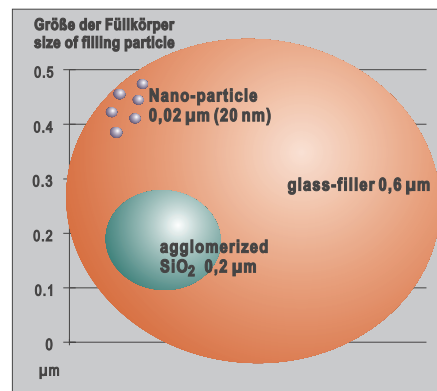
Filling materials

N-Fill light curing nano-concept filling material

N-Fill nano-concept is a light curing universal composite that combines the typical properties of a microhybride with the advantages of nanotechnology. The high content of inorganic fillers (>82 % by weight / 67 % by volume) and the even distribution of the microglass and the nanoparticles ensure low shrinkage (<1.9 % by volume) in light polymerisation. As a result, high dimensional stability and abrasion resistance are achieved in the finished restoration. The filling material is X-ray opaque and applicable for fillings of class I, II, III, IV and V, for composite inlays and veneering of discoloured teeth. N-Fill possesses a natural fluorescence in ultraviolet light. N-Fill is not sticky to the instrument, possesses a constant plastic consistency and is slightly thixotropic. This allows a stressfree work in the anterior and posterior tooth area. An extensive range of shades in Enamel, Dentine and Transparent compounds facilitates an optimal layering of aesthetic restorations. The filler combination guarantees the desired chameleon effect, a natural opalescence and adapted fluorescence. N-Fill can be used with common adhesive systems, e.g. N-Bond and C-Prime S plus. The combination with N-Fill Flow permits optimal application in all cavity classes.



The polymerisation shrinkage of N-Fill is suitable lower according to normal hybrid-composites (A) or comparable nano-composites (B).



Single packages:

- syringe 4.0 g
- Minifill 0.25 g

Assortment packages:

- 3 syringe + accessories
- 4 syringe + accessories
- 6 syringe + accessories

Shades:

- Incisal
 Enamel: A1 / A2 / A3 / A3.5 / A4
 B1 / B2 / B3
 C2 / C3 / C4
 D3
 Dentin: A2 / A3 / A3.5
 D3

Filling materials

N-Fill Flow



N-Fill Flow is a novel flowable filling material and combines the typical properties of a flowable composite with the most recent findings of nanotechnology. With more than 74 % by weight, the total filler content of N-Fill Flow is as high as that of conventional universal composites. N-Fill Flow slightly moistens the cavity wall and flows well into the cavity in application. N-Fill Flow possesses a natural fluorescence in ultraviolet light and is used in the filling therapy for micro preparations and dental neck defects, extended fissure sealing, fixation and repair of composite and ceramic restorations as well as for applying the first filling layer in composite restorations.

Due to a slightly thixotropic consistency, N-Fill Flow does not drip and can be applied with high precision. The combinability with filling materials such as N-Fill and N-Bond permits an optimal application range for N-Fill Flow. During polymerisation the shrinkage of the material is reduced to a minimum by the nano-particle enriched matrix. The finished restoration with N-Fill Flow can be polished to high gloss and is abradi-

on resistant. N-Fill Flow is available in the most popular basic shades.

Single packages:

- syringe 2.0 g

Assortment packages:

- 4 syringe + accessories

Shades:

- A1 / A2 / A3 / A3.5
- B2



Frontzahn-Fraktur



Restoration mit N-Fill und N-Fill Flow

Filling materials

C-Fill MH

C-Fill MH is the universal light curing Microhybrid-Composite for restorations in the anterior- and posterior tooth area.

The optimal consistence and color choice permits the individual anterior fillings in the layer technique as well as the occlusal posterior fillings.

The filler combination, consisting of glass filler and ultra fine SiO₂, is entirely coated with a reactive hydrophobic layer. This guarantees high restoration stability. The average size of the glass filler is 0.6 µm, rendering a high filler investment with optimal particle size distribution.

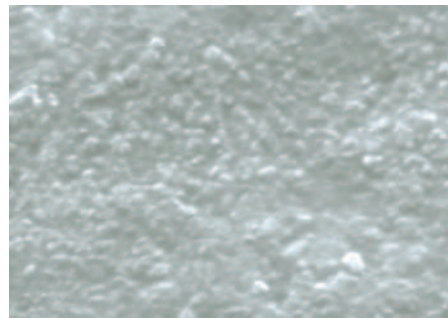


technical datas

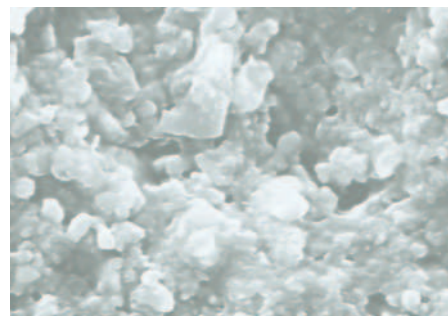
Flexural strength	> 130 N/mm ²
Bending strength	> 10000 N/mm ²
Anorganic Filler	> 77% weight
Water absorption	< 7,5 µg/mm ²
Solubility in water	< 0,2 µg/mm ²
Shrinkage	< 1,7 %lin. / < 3,3 vol. %

The measured filler combination ensures a concise chameleon effect, a natural opalescence through the Rayleigh dispersion of the visible light and high gloss polish capability. These properties lend a natural esthetic looking to the placed filling.

C-Fill MH is X-ray opaque and available in a wide variety of shades.



REM image of C-Fill MH surface



REM image of comparison product Surface



Single packages:

- syringe 4.0 g
- Minifills tips 0.25 g

Assortment packages:

- 3 syringe + accessories
- 6 syringe + accessories
- 8 syringe + accessories
- 15 syringe + accessories

Shades:

Incisal: transparent white-yellow
transparent white-grey

Enamel: A1 / A2 / A3 / A3.5
B2 / B3 / B4
C2 / C4
D3

Dentin: A1 / A2 / A3 / A3.5
B2 / B4
C4
D3

more shades on request

Filling materials



Single packages:

- syringe 2.0 g

Assortment packages:

- 4 syringe + accessories

C-Fill Flow

C-Fill Flow is a flowable light curing Microhybrid Composite, which is X-ray opaque.

C-Fill Flow is used in the filling therapy of micro preparations and defects of the tooth neck, the expanded occlusion of fissures, the fixation and repair of composite- and ceramic restorations as well as the placement of the first filling layer by composite restorations.

C-Fill Flow has optimal flowable properties. Due to its thixotropic consistence the investment does not drip and has good stability.

That is why the C-Fill Flow is very accurate applicable to the point in the smallest cavities and undercuts and the perfect supplement for C-Fill MH. The fine transparency of C-Fill Flow causes the placed fillings to blend in well with the surrounding natural tooth (chameleon effect) of the glass-filler investment. C-Fill Flow is available in the most popular basic shades. C-Fill Flow fulfills the highest demands in esthetic, application range and economical working.

Shades:

A1 / A2 / A3 / A3.5 / B2



Single packages:

- syringe 4.5 g

Assortment packages:

- 3 syringe + accessories
- 4 syringe + accessories
- 6 syringe + accessories

Megafill MF

Megafill MF is a light curing composite with a micro-fill base. Megafill MF is for restorations in the anterior tooth area, for small single surface fillings in the posterior tooth area as well as in deciduous teeth used. The particle size and distribution of the inorganic filler with 0.05 to 0.005 μm guarantees the high gloss polish capability of the filling. The organic layer on the fillers of Megafill MF is water resistant and integrates fillers securely into the matrix. The fillers are optimal distributed in the matrix and affect slight water retention. This homogeneity is important for the high color stability and abrasion resistance of the restoration.

The measured dispensing and the optimal manufacturing technology are guarantors for a composite which has very good mechanical values of the plastic modeling consistency and good adaptation to the cavity walls. Megafill MF fluoresces like the natural tooth structures.

Shades:

Enamel: A1 / A2 / A3 / A3.5
B2 / B3
C2
D3

Dentin: A1 / A2 / A3 / A3.5

Filling materials



Megafill MH

Megafill MH is an universal light curing Microhybrid Composite for restorations in the anterior- and posterior tooth area. The continuous plastic consistency and large color assortment allows excellent usability of the material and is well suited for the classic filling therapy and layer technique in filling structures. Megafill MH can be polished to a high gloss and offers a highly esthetic restoration. The fillers contain fine dental glass particles and highly dispersible silicone oxides, which are specifically treated and cover the surface with a hydrophobic layer. The surface of Megafill MH is therefore resistant and protected from residue deposits and discolorations. Megafill MH is X-ray-opaque and has a fluorescent effect like the natural tooth structure.

The homogeneous structure of the investments and the selected fillers guarantee the chameleon effect and natural opalescence. The high gloss polish capability insures a long color retention and natural esthetic of the restoration.

The pleasant process paired with the outstanding characteristics and the universal applicability of Megafill MH stand for a high quality and long lifetime of the restoration.



Fracture of 11 and 21 in the anterior area



Esthetic and functional results with Megafill MH treatment

Single packages:

- syringe 4.5 g
- Minifill 0.25 g

Assortment packages:

- 3 syringe + accessories
- 4 syringe + accessories
- 6 syringe + accessories

Shades:

Incisal

Enamel: A1 / A2 / A3 / A3.5 / A4
B1 / B2 / B3 / B4
C1 / C2 / C3 / C4
D2 / D3 / D4

Dentin: A1 / A2 / A3 / A3.5
B2
D3

Filling materials

Megafill Flow

Megafill Flow is a flowable light curing Microhybrid Composite, which is X-ray opaque. Megafill Flow has a natural fluorescence and is used in the filling therapy for micro preparations and tooth neck defects, the expanded fissure occlusion, the fixation and repair of composite- and enamel restorations as well as to the placement of the first filling layer by composite restorations. The slightly thixotropic consistence prevents the dripping of Megafill Flow and allows accurate application. Therefore a high stability of the material is guaranteed. Measured transparency and the combinability with filler materials, e.a. Megafill MH, permit an optimal range of application for Megafill Flow. Based on the matrix with micro-glass-filler Megafill Flow can be polished to a high gloss and rendering it abrasion resistant. Megafill Flow is available in the most popular basic shades.



Single packages:

- syringe 2.0 g

Shades:

A1 / A2 / A3 / A3.5 / B2

Assortment packages:

- 4 syringe + accessories

P-Fill

light curing condensable posterior filling material

P-Fill is a light curing condensable filling material especially for posterior restoration. Due to the attuned filler combination, a very high filling degree of more than 67 % by volume is reached. This corresponds to a filling degree of more than 81 % by weight with conventional dental glass. The flexural strength of P-Fill is distinctly higher than the values of other universal composites. Therefore, P-Fill is especially well suitable for the posterior tooth restoration. With this indication, it is superior to the universal composites.

The high content of inorganic fillers and the special structure provide a stable consistency that prevents the mould from flowing and renders the material well condensable. This is achieved by means of the micro-morphological surface structure of the fillers. Their interlocking with each other under pressure causes P-Fill to be condensable.

P-Fill is X-ray opaque and applicable for fillings of class I, II and V, stump constructions, deciduous tooth restorations as well as for composite inlays in the posterior tooth area. P-Fill is not sticky to the instrument and can be used with metal matrix and wooden wedge. Its

outstanding condensability and stability facilitate easy shaping of points of contact and occlusion surfaces.



Shades:

A1 / A2 / A3 / A3.5 / B2 / D3

Assortment packages:

- 4 syringe + accessories
- 6 syringe + accessories

Single packages:

- syringe 4.5 g
- Minifill 0.25 g

Adhesive systems

MEGADENTA provides high-class adhesive systems for the optimal filling therapy. With **C-Cid** the natural tooth enamel can be etched or the "Total Etch Technique" performed. **C-Bond** and **N-Bond** as light curing dental adhesive guarantees a high mechanic bonding for the filling on natural Enamel. With the universal prime and bond **C-Prime S plus** can the conditioning of Enamel and Dentin take place in one process. MEGADENTA offers additionally bonding agent for dental laboratory use. Kerasil as universal silan is suited for connecting of ceramic- and metal surfaces. **C-Flourine** is used for etching of ceramic works, e.a. by veneers, ceramic crowns and ceramic inlays.

Kerasil

Ready for use silan for chemical connection of ceramic- and metal surfaces.

Single packages:

- bottle 3 ml

Assortment packages:

- part of assortment packages



C-Flourine

C-Flourine is used for etching of ceramic works, e. a. by veneers, ceramic crowns and ceramic inlays.

Single packages:

- syringe 3.0 g

Assortment packages:

- part of assortment packages

C-Cid

Etching gel for the adhesive filling therapy, consisting of a glycerin gel with a 37 % phosphoric acid contents. C-Cid is also suitable for the total etching technique.

Single packages:

- syringe 3.0 g

Assortment packages:

- 2 syringe + accessories
- part of assortment packages

C-Bond

C-Bond is a light curing dental adhesive and used in the filling therapy as adhesive connection as well as bonding during the repair of resin-, ceramic-, crown- and bridge works.

Single packages:

- bottle 5 ml

Assortment packages:

- 1 C-Bond 5 ml + accessories
- part of assortment packages



Adhesive systems

N-Bond

N-Bond is a light curing, nano-particle reinforced dental adhesive.

By adding nano-particles, the properties are improved without increasing the viscosity of the adhesive. Thus, N-Bond is easy to apply and moistens the tooth cavity for excellent adhesive bonding.

The low polymerisation shrinkage reduces the marginal gap formation in filling therapy to a minimum. N-Bond is used in fissure sealing and adhesive fixation.

Single packages:

- bottle 5 ml

Assortment packages:

- part of assortment packages



C-Prime S plus

C-Prime S plus is a light curing, ethanol based prime & bond dental adhesive for the Enamel- and Dentine adhesion used in fillings. C-Prime S plus is used in the direct, light curing composite- and compomer filling therapy, by indirect ceramic- and composite restorations (inlay, onlay, veneers) as well as bonding during the repair of resin-, ceramic-, crown- and bridge works. The ethanol base of C-Prime S plus ensures a fast and secure use and provides the ideal bonding of the composite (Wet-Bonding-Technique).

Single packages:

- bottle 5 ml

Assortment packages:

- 1 C-Prime S plus + accessories
part of assortment packages



C-Prime X

C-Prime X is a light-curing, self-etching two-component adhesive (6th generation) for directly bonds to cut Enamel, Dentin, composite and porcelain-base. Separate etching on Enamel and Dentin is not required, water cleaning is not necessary. The application in 2 steps (1 / 2) allows fast and economic working in one course with saving time. It creates a strong homogeneous bond layer and prevents post-operative sensitivity. There is no need for acid etching, rinsing, drying and double application. This guarantees a high bond strength and high stability of the final filling.

Single packages:

- bottle 1+2 5 ml

Assortment packages:

- bottle 1+2 5 ml, accessories



Accessories

- brush holder
- brush inserts
- mixing pad
- miniature applicators, flocked for point accurate application of fluids and gels



Prophylaxe materials

N-Seal

Light curing nano-concept pit and fissure sealant

N-Seal is a light curing, nano-particle reinforced pit and fissure sealant.

N-Seal combines the typical properties of a fissure sealant with the most recent findings of nanotechnology. The combination with nano-particles provides a higher filler proportion, which increases the abrasion resistance and flexural strength of N-Seal.

N-Seal is designated for fissure sealing, caries prophylaxis, restorations of small carious defects, sealing of plastic fillings or cements (moisture protection) as well as for anchoring orthodontic adjusting systems. Despite the high filler proportion, N-Seal retains easy and high-precision applicability. N-Seal can be applied directly with the specifically shaped cannulae. Two types of N-Seal are available: transparent for aesthetic sealing and white-opaque for precise application control.

Single packages:

- syringe 1.8 g

Shades:

transparent (on request) / white-opaque

Assortment packages:

- 4 syringe + accessories



C-Seal

Light curing pit and fissure sealant

C-Seal is a light curing pit and fissure sealant for prophylactic treatment.

C-Seal is suitable for fissure sealing, caries prophylaxis, restorations of small carious defects, sealing of plastic fillings or cements (moisture protection).

C-Seal can be easily and directly applied from the dispensing syringe with specifically shaped cannulae. The liquid consistency facilitates an optimal moistening of the cavity surfaces.

C-Seal is available as transparent type for aesthetic sealing and as white-opaque type for precise application control.

Single packages:

- syringe 1.8 g

Shades:

transparent (on request) / white-opaque

Assortment packages:

- 4 syringe + accessories



Composite cements

C-Cement

C-Cement is a chemical- and light curing composite cement for the fixation of composite- and ceramic restorations, e. a. Inlays, Onlays, C+B works.

The combination of chemical and light curing allows the fast setting of C-Cement.

The process of final stage can be in one treatment performed. The universal shading of the dual cement allows esthetic fixation of the restoration.

Single packages:

- base syringe 3.5 g
- catalyst syringe 3.5 g

Assortment packages:

- Assortment package with
- base syringe 3.5 g
 - catalyst syringe 3.5 g
- part of assortment packages

C-Cement Flow

C-Cement Flow is easy flowing light and chemical curing composite cement for the fixation of composite- and enamel restorations, e. a. Inlays, Onlays, C+ B works. With the application in a double chambered syringe the mixing process is simplified and a direct application made possible. C-Cement Flow is suitable for the fixation of brackets and orthodontic applications. The universal shading of the dual cement allows esthetic fixation of the restoration.



Single packages:

- double chambered syringe 2 x 4,0 g

T-Fill

T-Fill is a light-curing, temporary one-step filling material for all kinds of cavities and preparations. T-Fill contains Fluoride, which reduce the risk of secondary caries. T-Fill is applied fast and easy and it has a high resistance after light-curing.

T-Fill is immediately loadable after curing. T-Fill is easy to remove with a suitable instrument when it's necessary.



Single packages:

- syringe 4,0 g

Assortment packages:

- 3 syringes 4,0 g, accessories

T-Fill eco

T-Fill eco is a classic temporary filling material based on zinc-oxide. It is used for temporary seal of cavities and preparations. T-Fill eco can be mixed easy and ensures a sealant of the preparation with a short setting time. T-Fill eco can be used for temporary fixation of crowns and bridges and for patients with a methacrylate-allergy.



Single packages:

- box 80 g powder
- bottle 80 ml liquid

Assortment packages:

- box 80 g powder
- bottle 80 ml liquid
- accessories

Glass-Ionomer-Cements



Megacem Aqua-Set

Megacem is available as water-mixed glass-ionomer cement for dental fillings. Megacem is suitable for the restorations in the cavities class III, V and minimal class I fillings, fissure fillings, restorations in deciduous teeth and for build up cores. The shading of Megacem with 6 basic colors makes restorations with high esthetics and an economic inventory possible. Megacem guarantees a strong adhesion to natural tooth Enamel and Dentin. Megacem is formulated for low solubility and low acidity.

Single packages:

- powder 20 g

Assortment packages:

- 1 x powder 20 g,
- 1 x plastic bottle, 1 x mixing pad,
- 1 x spatulla

Farben:

A1 / A2 / A3 / A3.5 / B2 / B3

Megacem powder/liquid

Megacem is a glass-ionomer cement in powder and liquid for dental fillings. The application and shades are the same like Megacem aqua-set.

Single packages:

- powder 20 g
- liquid 10 ml

Assortment packages:

- 1 x powder 20 g, 1 x liquid 10 ml,
- 1 x spatulla, 1 x mixing pad

Shades:

A1 / A2 / A3 / A3.5 / B2

Megafix Aqua-Set

Megafix is available as water-mixed glass-ionomer cement for dental fixations. Megafix is suitable for the cementing of crown- and bridge works, inlays and veneers. Megafix can be used for luting, as under filling and fixation material. Megafix joins a very low film thickness with a high compressive strength. Megafix guarantees a strong adhesion to natural tooth Enamel and Dentine with Fluoride release. The cement is formulated for low solubility and low acidity in the mouth.

Single packages:

- powder 20 g

Assortment packages:

- 1 x powder 20 g,
- 1 x plastic bottle, 1 x mixing pad,
- 1 x spatulla

Megafix powder/liquid

Megafix is a glass-ionomer cement in powder and liquid for dental fixations. The application is the same like Megafix aqua-set.

Single packages:

- powder 20 g
- liquid 10 ml

Assortment packages:

- 1 x powder 20 g, 1 x liquid 10 ml,
- 1 x spatulla, 1 x mixing pad

Impression materials

A silicon based impression compound with different viscosities and characteristics.



Keradur P

Dimensionally accurate silicone putty for pre-impressions, impression compounds and for dual impression technique. Keradur P is easily mixed with controllable setting time.

Keradur P paste (putty)
 catalyst (paste)

Single packages:

- paste (putty) 750 ml / 900 ml / 5.800 ml
- catalyst (paste) 35 g / 60 g

Assortment packages:

- packages with
- paste (putty) 750 ml / 900 ml
 - catalyst (paste) 35 g / 60 g

Keradur Fl

Silicon based light body impression material for impression modifications and dual impression technique.

Single packages:

- paste (light body) 250 ml
- catalyst (liquid) 2 x 20 ml

Assortment packages:

- packages with
- paste (light body) 250 ml
 - catalyst (liquid) 2 x 20 ml



Transpadur

Transparent bite registration material. Unique vinyl polysiloxane that forms a clear, transparent impression with a high degree of dimensional stability. Simple processing with automatically mixing, easily flowing and short set up time. Improved 50 ml cartridge.

Single packages / Assortment packages:

- cartridge 50 ml
- 12 mixing tips

Tray materials



Megatray

Megatray is a light curing tray material for the fabrication of individual custom trays with extremely high dimensional stability. The composite resin is presented in form of contoured wafers in the colors pink, blue and transparent (natural).

The simple processing of Megatray with a long modeling- and processing time makes the efficient production of individual custom trays in the laboratory and dental cabinet possible. The universal form and the consistent thickness of 2.2 mm of Megatray allows the production of upper and lower trays. The grip can be made from the rest of the material. After modulation Megatray must be cured in a light curing unit, e. a. Megalight, for app. 5 minutes. The consistently high quality of the material guarantees a minor polymerization shrinkage (below 2 vol.%) and excellent form stability.

Single package:

- box á 50 pc.

Assortment package:

- carton with 2 boxes á 50 pc.

Shades:

pink, blue and transparent



individual custom tray



Single package:

- box á 50 pc.

Megatray Base Plate

The Megatray material is also as light curing base plate available. The thickness of the contoured wafers is only 1.4 mm. Megatray base plates wafers are suitable for fabrication of biteplates and bite templates.

The slight transparency of the tray allows the graceful work with marked models.

After modulation Megatray base plate must be cured in a light curing unit, e. a. Megalight, for app. 5 minutes.

The consistently high quality of the material guarantees a minor polymerization shrinkage and outstanding form stability.

Shades:

pink

Tray materials

MEGATRAY Perfmaster

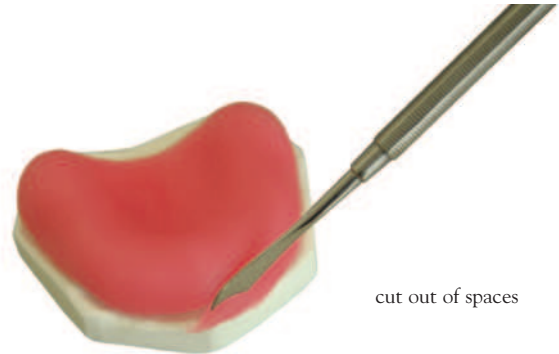
The Perfmaster is a carving instrument for fast and time saving modulation of light curing tray material, e.g. MEGATRAY. The wafers can now easy cut and contoure on the plaster model, because of the sickle form of the carving instrument. The additional round stamp of the instrument is suitable to make a perforation of the final modulated tray. This perforation makes mechanical retention possible and reduce the working time on the finish cured tray. The additional use of an adhesive for impression material is not required.

Single package:

- Carving instrument



perforation of the final tray



cut out of spaces



Megaseal Universal

Megaseal Universal is a light curing sealing lacquer for dentures, repairs and orthodontic applications. The sealing stabilizes the surface, is abrasion resistant and high gloss. Megaseal should be applied thinly and evenly with a brush. After application Megaseal Universal must be cured in a light cure unit, e.a. Megalight within 5 minutes.

Single package:

- bottle 20 ml with brush insert
- trop bottle 30 ml

Megaseal N

Megaseal N is a light-curing surface sealing lacquer which is nano-particle reinforced. The high scratch resistance and the high gloss of the hardened surface is owned to the content of nano-particles. Megaseal N is designed for sealing plastic and ceramic surfaces*, denture components and plastic bite guard splints, orthodontic appliances and provisional appliances.

Megaseal N is applied and thinly spreaded with a brush. The light polymerisation is performed in conventional light polymerisation devices, e.g. Megalight or Megalux.

* subsequent to pre-treatment with Kerasil (Silan)



Single package:

- bottle 20 ml with brush insert
- trop bottle 30 ml

Assortment package:

- application bottle with brush 20 ml
- trop bottle 30 ml + accessories

Veneering materials



Solution LC

Solution LC is a light curing veneering composite for laboratory use.

Solution LC is suitable for veneering of crowns and bridges, telescope- and conus crowns, precision attachments and implant works, veneers and temporary veneering works. The layered structure of the veneering through Cervical-, Dentine- and Incisal-material and the additional transparent- and tissue material transforms the assortment into a universal system.

Solution LC is a micro glass composite. Based on the large proportions of the micro glass filler Solution LC is very abrasion resistant and has high color stability. With the high gloss polishing possibility of the material a stable surface is guaranteed. The visual attributes transparency, opalescence and fluorescence are conforming to the natural tooth. The micro glass filler offers brilliant colors and a long life-time of the restoration. The application of the material in syringe allows an economical usage, a time saving process and a perfect result after light polymerization and finishing of the veneering work.



Solution LC Modify Color

Solution LC Modify Colors are light curing intensive shades for characterization of veneers. Solution LC Modify Colors are enclosure in the Solution LC basic assortment or as a separate kit. The 6 different intensive shades make a characterization of veneers and the individualization of denture bases as well as the acrylic- and composite teeth possible.

Shades:

- A2 / A3 / A3.5
- B2 / B3
- C2 / C3
- D3

more shades on request

Compact assortment

· opaquer	8 x 3.0 g
· opaquer liquid	2 x 5 ml
· cervical	8 x 4.0 g
· dentine	8 x 4.0 g
· incisal	4 x 4.0 g
· translucent	1 x 4.0 g
· gingiva	1 x 4.0 g
· color stains	6 x 1.0 g
· oxystop gel	2 x 10.0 g
· mixing pad	2 pc
· brush holder	2 pc
· brush inserts	2 x 50 pc
· modellation instrument	1 pc
· working instrution	1 pc

Denture base materials



MEGA-A / L / F is a selected assortment of denture base material with excellent quality and superior workability. The universal basic color of the assortment make the denture base material suitable to combine heat- and cold curing resin in the denture. The powder are offered in clear, pink and blue-pink veined. Further color shadings are available upon request. Optimal package sizes allows effective inventory maintenance. The denture base materials has a high form- and color stability with an exact fitting and easy polishing quality of the denture bases.

MEGA-A

Mega-A is a powder and liquid self cure resin for repairs. The processing time of the mixed materials amounts to 6 minutes. With a temperature of 21° C polymerized MEGA-A without pressure in approximately 13 minutes.

MEGA-L

MEGA-L is a powder and liquid heat cured denture base material for the fabrication of dentures using a press process. MEGA-L has a flowable and plastic able consistency after mixing. The heat polymerizing takes place under pressure in a water bath or in a corresponding polymerizing unit, depending on the method of process in 30 till 180 minutes.

MEGA-F

MEGA-F is a powder and liquid cold curing denture base material for the fabrication of complete and partial dentures, relining of dentures and repairs. MEGA-F can be casting and modeled. After the mixing process MEGA-F can be casting for app. 3 minutes, the modeling time takes another 3 minutes. The polymerization takes place under pressure by 2-3 Mpa within 7 minutes.

Single package:

- powder 500 g / 1.000 g
- liquid 500 ml / 1.000 ml

Shades:

- clear, pink and blue-pink veined

Fibers

Synthetic fibers red for individualization of denture base material.

Package:

- box with 0,5 g

Auxiliaries

Auxiliaries should be employed for facilitation and simplification of work in the laboratory and improve the quality of prepared work. They are multipurposed and put the finishing touches to prostheses. The auxiliaries include Mega-Finish, Mega-M, Mega-M LC, Megaclean, Mega-Glanz, Mega-Antiwax, MEGA-I, Megabloc, Megaseal universal, Megaseal N, Silicon separating film and Keradur L.



Mega-Finish

Mega-Finish serves the cleaning of the dentures and resin surfaces.

With the use of Mega-Finish the resin surface is relaxed and adopts a pleasant scent. Mega-Finish has to apply directly on the denture surface, modeled with a brush and rinsed of with water. The use of Mega-Finish in the ultrasonic bath is possible.

Package:

- bottle 500 ml

MEGA-M

MEGA-M is a powder and liquid modeling resin for modeling secondary parts, inlays and modeled crowns, solder spots fixated as well as individual post core structures produced. MEGA-M can be applied with a brush and as knead able plastic condition used. MEGA-M displays excellent impression sharpness, polishes to a high gloss and burns out residue free.

Package:

- powder 80 g / 500 g
- liquid 80 ml / 500 ml

Mega-Glanz

Mega-Glanz is a high gloss polishing compound for acrylic- and metal works as well as for combined acrylic/metal prostheses. The polishing directly at the technician's work station will be possible.

Mega-Glanz does not dry up.

Package:

- bottle 500 ml

Auxiliaries

Mega-Antiwax

Mega-Antiwax is a concentrate for removal of wax- and grease residues. Mega-Antiwax can be to the water in blanching appliances added or directly diluted with water (ratio 1 : 500).

Package:

- bottle 500 ml

MEGA-I

MEGA-I is an alginate separation agent to insulate parts of plaster casts, for autopolymerisates and for orthodontics. MEGA-I soaks quickly into the plaster-model and gives a very efficient and thin protection insulation.

Package:

- bottle 500 ml / 1.000 ml
- container 5.000 ml

Megaclean

Megaclean is an alcoholic cleaner for removal of the oxygen inhibiting layer on the surfaces of light curing resins. Megaclean is suitable for hand cleaning. Megaclean is available in different scent varieties.

Package:

- bottle 300 ml
- 5 x 300 ml with dispenser
- container 3.000 ml with dispenser

Silicone separating film

Silikon separating film is a silicon based insulation for acrylic teeth against plaster. It gives a thin layer, which easily be stripped of after deflasking.

Silikon separating film protects the surfaces of the teeth and makes the finishing process of dentures easily.

Package:

- silicone paste 500 ml
- catalyst 20 ml
- retention crystals 100 ml

Assortment package:

- lab-set with:
- silicone paste 500 ml
- 2 x catalyst 20 ml
- retention crystals 100 ml

Keradur L

Keradur L is a silicon modeling material for duplicating models, as a protective insulation while flasking full and partial dentures, as an index for dentures or partial repairs. Keradur L is dimensionally stable and produces extremely accurate and detailed resilient models.

Package:

- paste (putty) 750 ml / 900 ml / 5.800 ml
- catalyst (paste) 35 g / 60 g

Modeling resin

MEGA-M LC / MEGA-M LC Flow

MEGA-M LC /LC Flow are light curing, ready-to-use contouring gel in syringes. MEGA-M LC can be used for contouring of Inlays, Onlays, Crowns and for fixation of solder points. MEGA-M LC is helpful by the preparations of metal cast dentures and for blocking out of undercuts. MEGA-M LC Flow has optimal flowable properties. Due to its thixotropic consistence the contouring work does not drip and has excellent stability. It can be used for counterung of cast clasp, adhesive bridges, implant abutments and precision attachments. MEGA-M LC /LC Flow gel can be applied directly from the syringe, cured using any standard light curing unit (320-500 nm) and burns out without any residue. MEGA-M LC /LC Flow may be combined with any standard ore light curing wax following polymerization.

Package:

- MEGA-M LC syringe 3.0 g
- MEGA-M LC Flow syringe 3.0 g

Assortment package:

lab-set with:

- 1 x MEGA-M LC 3.0 g
- 3 x MEGA-M LC Flow 3.0 g
- accessories



Megabloc

Megabloc is a light curing block out material with excellent adhesion- and modeling capability. Megabloc has a high stability and can be worked on with grinding instruments after the light curing process.

Single package:

- syringe 3.0 g

Megaseal Universal

Megaseal Universal is a light curing sealing lacquer for dentures, repairs and orthodontic applications. The sealing stabilizes the surface, is abrasion resistant and high gloss. Megaseal should be applied thinly and evenly with a brush. After application Megaseal Universal must be cured in a light cure unit, e.a. Megalight within 5 minutes.

Single package:

- bottle 20 ml with brush insert
- trop bottle 30 ml

Megaseal N

Megaseal N is a light-curing surface sealing lacquer which is nano-particle reinforced. The high scratch resistance and the high gloss of the hardened surface is owned to the content of nano-particles. Megaseal N is designed for sealing plastic and ceramic surfaces*, denture components and plastic bite guard splints, orthodontic appliances and provisional appliances.

Megaseal N is applied and thinly spreaded with a brush. The light polymerisation is performed in conventional light polymerisation devices, e.g. Megalight or Megalux.

* subsequent to pre-treatment with Kerasil (Silan)



Single package:

- bottle 20 ml with brush insert
- trop bottle 30 ml

Assortment package:

- application bottle with brush 20 ml
- trop-bottle 30 ml + accessories

Light polymerization units

MEGADENTA offers light polymerization units in several variants for dental application in laboratory and dental practice. Megalux units are strongly efficient robust light instruments for polymerization of light curing materials by dentist use. Megalight units are for the polymerization of light curing materials in the dental laboratory. Solid construction, long durability and interested coast/performance ratio distinguish these devices.

Megalight

Light polymerization units are for polymerization of light curing materials, e.a. Megatray light curing tray material, Megaseal UNIVERSAL sealing lacquer and other light curing materials in the UVA area. The units are also with blue light lamps (spectrum 400-500 nm) available upon request.

Megalight ST is an ideal unit for the use in dental technical laboratory. With 4 fluorescence lamps is an optimal light polymerization effect obtained. The large polymerization room makes the simultaneous curing up to 4 models possible.

Megalight MINI is a small light polymerization unit for laboratory and chair side use. In spite of minor measurements offers the polymerization room space for 2 models.

All Megalight units are equipped with a solid timer for controlling the polymerization time.



Megalight ST

power consumption	60 W
main supply	220 V / 50 Hz
fluorescence bulb	4 x UV-light / 9 W
spectrum	320 nm - 450 nm
polymerization Time	5 minutes

Megalight MINI

power consumption	27 W
main supply	220 V / 50 Hz
fluorescence bulb	2 x UV-light / 9 W
spectrum	320 nm - 450 nm
polymerization Time	5 minutes

Light polymerization units

Halogen light unit for polymerization of light curing filling material. Megalux units are in different variants and designs available. Through optional functions such as soft start- and "Fast cure" as well as extensive accessories, are the units universal usable in the dental cabinet. The ergonomic construction of these individual polymerization units makes weary free work possible. Solid construction, long durability and interested coast/performance ratio distinguish these devices.

Megalux LED high-performance L.E.D. light curing unit

The Megalux LED unit is an innovative light polymerisation unit that was designed with implementation of the most recent findings in L.E.D.- technology.

By using high-performance LED's as light source emitting in the blue light spectrum, the light polymerisation is rendered possible for almost all popular light curing dental materials, e.g. composite filling materials, adhesives, fissure sealants and light curing cements.

The light intensity of 1,200 mW/cm² with standard focus optical fibre 8 mm (1,600 mW/cm² with focus optical fibre 6 mm), the integrated soft start as well as the adjustable exposure times of 10 s and 20 s provide universal applicability of the unit in all fields of light curing filling therapy.

Owing to the built-in lithium-ion battery, cordless work is possible. The integrated high-performance fanless cooling block permits silent operation and working without overload for several using minutes.

The light intensity of the LED lamp can be checked by an interperated radiometer in the charging pod.



technical datas

main supply	100-240 V/ 50-60 Hz
light intensity	1.200 mW/cm ² with standard focus-optical fibre 8 mm 1.600 mW/cm ² with standard focus-optical fibre 6 mm
working cycle with full battery	300 x 10 s
optical fibres	focus-optical fibre 8 mm (standard) focus-optical fibre 6 mm (optional)
weight of hand piece	170 g

Light polymerization units

Megalux E

Halogen light unit for polymerization of light curing filling material, e.a. **C-Fill MH**, **N-Fill**, **P-Fill**, **Megafill MH** and **Megafill MF**.

power consumption	130 W
main supply	220 V / 50 Hz
fluorescence bulb	12 V / 75 W
spectrum	400 nm - 500 nm (blue light)
polymerization time	Start / Stop Function 10 seconds signals



Megalux E plus

Halogen light unit for polymerization of light curing filling material, e.a. **N-Fill**, **C-Fill MH**, **Megefill MH** and **Megafill MF**.

power consumption	130 W
main supply	220 V / 50 Hz
fluorescence bulb	12 V / 75 W
spectrum	400 nm - 500 nm (blue light)
polymerization time	Start / Stop / 20s / 40s / continuous (Timer with 10 seconds signals)



Megalux CS

Halogen light unit for polymerization of light curing filling material, e.a. **C-Fill MH**, **N-Fill**, **P-Fill**, **Megafill MH** and **Megafill MF**. The classic structure and the simple handling of the unit allows the universal chair side use.

power consumption	130 W
main supply	220 V / 50 Hz
fluorescence bulb	12 V / 75 W
spectrum	400 nm - 500 nm (blue light)
polymerization time	20 s / 40 s / continuous (Timer with 10 seconds signals)



Megalux Softstart

Halogen light unit for polymerization of light curing filling material, e.a. **C-Fill MH**, **N-Fill**, **P-Fill**, **Megafill MH** and **Megafill MF**. With an additional soft start phase the polymerization of the materials is controlled and possible tension in the filling material avoided.

power consumption	140 W
main supply	220 V / 50 Hz
fluorescence bulb	12 V / 75 W
spectrum	400 nm - 500 nm (blue light)
polymerization time	20 s / 40 s / continuous / softstart-mode (Timer with 10 seconds signals)



Light polymerization units

Megalux Softstart R

Halogen light unit for polymerization of light curing filling material, e.a. **C-Fill MH**, **N-Fill**, **P-Fill**, **Megafill MH** and **Megafill MF**. With an additional soft start phase the polymerization of the materials is controlled and possible tension in the filling material avoided. With the build-in Radiometer the light output of the lamp can be checked at any time.

power consumption 140 W
main supply 220 V / 50 Hz
fluorescence bulb 12 V / 75 W

spectrum 400 nm - 500 nm (blue light)
polymerization time 20 s / 40 s / continuous / softstart-mode
(Timer with 10 seconds signals)

Megalux Fast-Cure

High intensive halogen light unit for polymerization of light curing filling material with soft start function for the use in orthodontic, prevention and chair side.

With the use of a turbo light tip the light intensity can be achieved over $1.200 \text{ mW} / \text{cm}^2$.

With an additional soft start phase the polymerization of the materials is controlled and possible tension in the filling material avoided. An orthodontic function with a 5 seconds pulse makes the use in the orthodontic field possible. A high light function with 30 seconds pulse is suitable for the prevention and bleaching. With the build-in Radiometer the light output of the lamp can be checked at any time.



power consumption 140 W
main supply 220 V / 50 Hz
fluorescence bulb 12 V / 75 W
spectrum 400 nm - 500 nm (blue light)
polymerization time 12 s / 30 s / continuous with 5 / 10 s signal / softstart-mode

Spare Parts & Accessories

- Spare bulb for Megalight MINI / ST
- Spare bulb for Megalight MINI / ST
- Spare bulb for halogen light instruments Megalux
- Light tip STANDARD
- Focus Light tip
- Facial Light tip
- Eyes protective shield

(9W / UVA Light / Light Color 78)
(9W / Blue Light / Light Color 71)

12 V / 75 W
(8 mm)



Notes

**MEGADENTA is available 24 hours a day:
www.megadenta.de**





MEGADENTA Dentalprodukte GmbH

Carl-Eschebach-Strasse 1 A, D-01454 Radeberg, Germany

Phone: +49 (0) 35 28-4 53-0 · Fax +49 (0) 35 28-4 53-21

E-Mail: info@megadenta.de · Web: www.megadenta.de