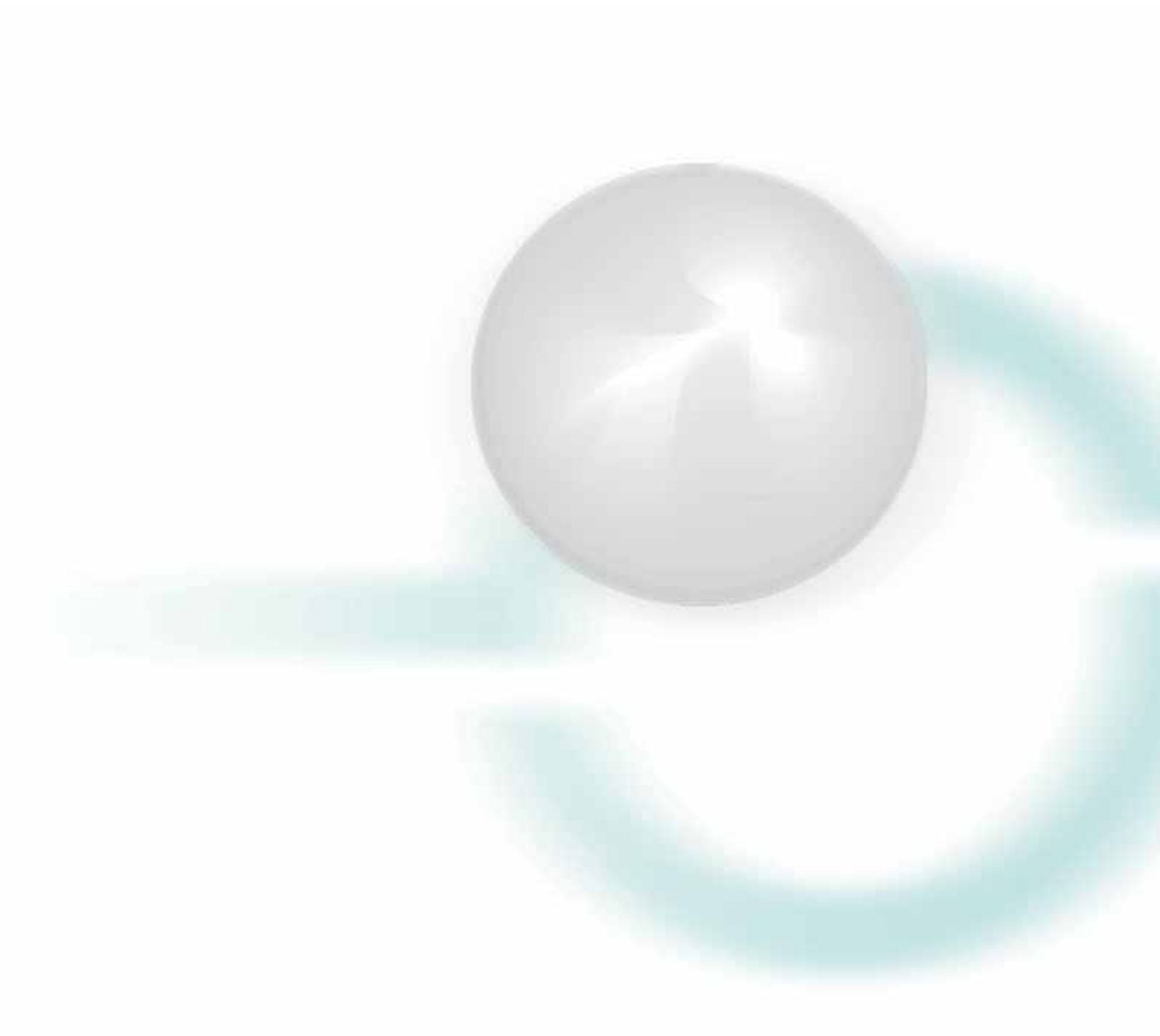# dental program

MEGADENTA
Dentalprodukte

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 succesfully continuing this nearly 100 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 13485:2016 in conformity with the stringent stipulations governing the production of medical devices. The products of MEGADENTA are exported to customers in more than 60 countries worldwide. Active communication with trade partners ensures the continuous further development of products and practice-conforming materials in keeping with th every 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
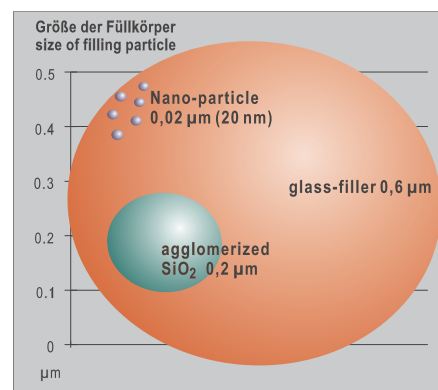
N-Fill
light curing nano-concept filling material

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 possess a natural fluorescence in ultraviolet light. N-Fill is not sticky to the instrument, possess 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.

Polymerisationsschrumpfung in % (Volumen)
polymerisation shrinkage by % (volume)
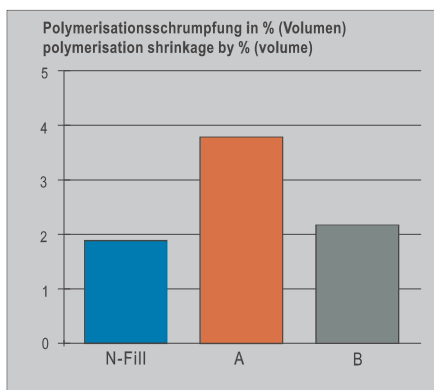
The polymerisation shrinkage of N-Fill is suitable lower according to normal hybrid-composites (A) or comparable nano-composites (B).

Größe der Füllkörper
size of filling particle

Nano-particle 0,02 µm (20 nm)

glass-filler 0,6 µm

agglomerized SiO$_2$ 0,2 µm

Anteriores fracture

functional treatment with N-Fill

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

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

N-Fill Flow

REF no.	Shade	Information
2NFLOW-51	Enamel A1	single syringe 2,0 g
2NFLOW-52	Enamel A2	single syringe 2,0 g
2NLOW-53	Enamel A3	single syringe 2,0 g
2NFLOW-54	Enamel A3,5	single syringe 2,0 g
2NFLOW-56	Enamel B2	single syringe 2,0 g
2NFLOW-52OP	Dentin A2	single syringe 2,0 g
2NFLOW-53OP	Dentin A3	single syringe 2,0 g
2NFLOW-54OP	Dentin A3,5	single syringe 2,0 g

REF no.	Assortment	
2NFLOW	N-Fill Flow assortment	4 x 2,0 g, accessories

N-Fill

REF no.	Shade	Information
2NMH-51	Enamel A1	single syringe 4 g
2NMH-52	Enamel A2	single syringe 4 g
2NMH-53	Enamel A3	single syringe 4 g
2NMH-54	Enamel A3,5	single syringe 4 g
2NMH-55	Enamel A4	single syringe 4 g
2NMH-66	Enamel B1	single syringe 4 g
2NMH-56	Enamel B2	single syringe 4 g
2NMH-57	Enamel B3	single syringe 4 g
2NMH-60	Enamel C2	single syringe 4 g
2NMH-61	Enamel C3	single syringe 4 g
2NMH-64	Enamel D3	single syringe 4 g
2NMH-51OP	Dentin A1	single syringe 4 g
2NMH-52OP	Dentin A2	single syringe 4 g
2NMH-53OP	Dentin A3	single syringe 4 g
2NMH-54OP	Dentin A3,5	single syringe 4 g
2NMH-66OP	Dentin B1	single syringe 4 g
2NMH-56OP	Dentin B2	single syringe 4 g
2NMH-64OP	Dentin D3	single syringe 4 g
2NMH-TRP	INCISAL (Transparent)	single syringe 4 g

N-Fill Minifills

REF no.	Shade	Information
2NMHTIP-51	Enamel A1	20 Minifills á 250 mg
2NMHTIP-52	Enamel A2	20 Minifills á 250 mg
2NMHTIP-53	Enamel A3	20 Minifills á 250 mg
2NMHTIP-54	Enamel A3,5	20 Minifills á 250 mg
2NMHTIP-56	Enamel B2	20 Minifills á 250 mg
2NMHTIP-60	Enamel C2	20 Minifills á 250 mg
2NMHTIP-64	Enamel D3	20 Minifills á 250 mg
2NMHTIP-52OP	Dentin A2	20 Minifills á 250 mg
2NMHTIP-53OP	Dentin A3	20 Minifills á 250 mg
2NMHTIP-INC	Incisal (Transparent)	20 Minifills á 250 mg

REF no.	Assortment	
2NSY-3	N-Fill Starter-kit MINI	3 x 4 g, accessories
2NSY-4	N-Fill Starter-kit MAXI	4 x 4 g, accessories
2NSY-6	N-Fill start-kit	6 x 4 g, accessories
2NSY-8	N-Fill Basic-kit	8 x 4 g, accessories

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 SiO_2, 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.

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 proberties lend a natural esthetic looking to the places filling.

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

technical datas	
Flexural strength	> 130 N/mm²
Bending strength	> 10000 N/mm²
Anorganic Filler	> 77% weight
Water absorption	< 7,5 µg/mm²
Solubility in water	< 0,2 µg/mm²
Shrinkage	< 1,7 %lin. / < 3,3 vol. %

REM image of C-Fill MH surface

REM image of comparison product surface

Filling materials

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.

C-Fill MH

REF no.	Shade	Information
2CFEENA-51	Enamel A1	single syringe 4 g
2CFEENA-52	Enamel A2	single syringe 4 g
2CFEENA-53	Enamel A3	single syringe 4 g
2CFEENA-54	Enamel A3,5	single syringe 4 g
2CFEENA-56	Enamel B2	single syringe 4 g
2CFEENA-57	Enamel B3	single syringe 4 g
2CFEENA-58	Enamel B4	single syringe 4 g
2CFEENA-60	Enamel C2	single syringe 4 g
2CFEENA-62	Enamel C4	single syringe 4 g
2CFEENA-64	Enamel D3	single syringe 4 g
2CXEDM-51	Dentin A1	single syringe 4 g
2CXEDM-52	Dentin A2	single syringe 4 g
2CXEDM-53	Dentin A3	single syringe 4 g
2CXEDM-54	Dentin A3,5	single syringe 4 g
2CXEDM-56	Dentin B2	single syringe 4 g
2CXEDM-64	Dentin D3	single syringe 4 g
2CFEINC-GEM	INCISAL (white-yellow)	single syringe 4 g
2CFEINC-GR	INCISAL (grey)	single syringe 4 g

C-Fill MH Minifills

REF no.	Shade	Information
3CXCMH-51	Enamel A1	20 Minifills á 250 mg
3CXCMH-52	Enamel A2	20 Minifills á 250 mg
3CXCMH-53	Enamel A3	20 Minifills á 250 mg
3CXCMH-54	Enamel A3,5	20 Minifills á 250 mg
3CXCMH-56	Enamel B2	20 Minifills á 250 mg
3CXCMH-57	Enamel B3	20 Minifills á 250 mg
3CXCMH-60	Enamel C2	20 Minifills á 250 mg
3CXCMH-64	Enamel D3	20 Minifills á 250 mg
3CXCMH-52OP	Dentin A2	20 Minifills á 250 mg
3CXCMH-53OP	Dentin A3	20 Minifills á 250 mg
REF no.	Assortment	
2CSY-3	C-Fill Starter-kit MINI	3 x 4 g, accessories
2CSY-4	C-Fill MH Starter-kit MAXI	4 x 4 g, accessories
2CSY-6	C-Fill MH start-kit	6 x 4 g, accessories

C-Fill Flow

REF no.	Shade	Information
2FLOW-51C	Enamel A1	single syringe 2,0 g
2FLOW-52C	Enamel A2	single syringe 2,0 g
2FLOW-53C	Enamel A3	single syringe 2,0 g
2FLOW-54C	Enamel A3,5	single syringe 2,0 g
2FLOW-56C	Enamel B2	single syringe 2,0 g
2FLOW-52OPC	Dentin A2	single syringe 2,0 g
2FLOW-53OPC	Dentin A3	single syringe 2,0 g
REF no.	Assortment	
2FLOW-C1	C-Fill Flow assortment	4 x 2,0 g, accessories

Megafill MH CERAM

Megafill MH CERAM is a universal light curing Microhybrid Composite with special modified Micro-glass filler combination for restorations in the anterior- and posterior tooth area. The microstructure of several Micro-glass filler of Megafill MH CERAM, based on experience in nanotechnology, ensure a higher filler content. This guarantee high colour stability of the final restoration and a lower shrinkage during polymerization process. The finished restoration with Megafill MH CERAM can be polished to high gloss and it will be high abrasion resistant. Megafill MH CERAM has a concise chameleon effect and natural opalascence. Through a wide variety of colours and usual processing properties Megafill MH CERAM is suited for the layering technique and aesthetic restorative treatment.

posterior fracture

functional treatment with Megafill MH CERAM

Megafill Flow CERAM

Megafill Flow CERAM is a flowable Microhybrid composite. The special microstructure of the glass filler ensure a higher filler content as in normal flowable composites. Megafill Flow CERAM 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 placement of the first filling layer by composite restorations. The slightly thixotropic consistence prevents the dripping of Megafill Flow CERAM and allows accurate application. Measured transparency and the combinability with other filling materials, e.a. Megafill MH CERAM, permit an optimal range of application for Megafill Flow CERAM. Based on the matrix with special micro-glass-filler Megafill Flow CERAM can be polished to a high gloss and the final restoration will be high abrasion resistant.

Megafill Flow CERAM is available in the most recommended basic shades.

Megafill MH CERAM

REF no.	Shade	Information
2MMC-51	Enamel A1	single syringe 4,5 g
2MMC-52	Enamel A2	single syringe 4,5 g
2MMC-53	Enamel A3	single syringe 4,5 g
2MMC-54	Enamel A3,5	single syringe 4,5 g
2MMC-55	Enamel A4	single syringe 4,5 g
2MMC-66	Enamel B1	single syringe 4,5 g
2MMC-56	Enamel B2	single syringe 4,5 g
2MMC-57	Enamel B3	single syringe 4,5 g
2MMC-58	Enamel B4	single syringe 4,5 g
2MMC-59	Enamel C1	single syringe 4,5 g
2MMC-60	Enamel C2	single syringe 4,5 g
2MMC-61	Enamel C3	single syringe 4,5 g
2MMC-62	Enamel C4	single syringe 4,5 g
2MMC-63	Enamel D2	single syringe 4,5 g
2MMC-64	Enamel D3	single syringe 4,5 g
2MMC-65	Enamel D4	single syringe 4,5 g
2MMC-51OP	Dentin A1	single syringe 4,5 g
2MMC-52OP	Dentin A2	single syringe 4,5 g
2MMC-53OP	Dentin A3	single syringe 4,5 g
2MMC-54OP	Dentin A3,5	single syringe 4,5 g
2MMC-56OP	Dentin B2	single syringe 4,5 g
2MMC-64OP	Dentin D3	single syringe 4,5 g
2MMC-INC	INCISAL (Transparent)	single syringe 4,5 g

Megafill MH Minifills

REF no.	Shade	Information
2MMCTIP-51	Enamel A1	20 Minifills á 250 mg
2MMCTIP-52	Enamel A2	20 Minifills á 250 mg
2MMCTIP-53	Enamel A3	20 Minifills á 250 mg
2MMCTIP-54	Enamel A3,5	20 Minifills á 250 mg
2MMCTIP-55	Enamel A4	20 Minifills á 250 mg
2MMCTIP-66	Enamel B1	20 Minifills á 250 mg
2MMCTIP-56	Enamel B2	20 Minifills á 250 mg
2MMCTIP-57	Enamel B3	20 Minifills á 250 mg
2MMCTIP-61	Enamel C2	20 Minifills á 250 mg
2MMCTIP-62	Enamel C3	20 Minifills á 250 mg
2MMCTIP-64	Enamel D3	20 Minifills á 250 mg
2MMCTIP-INC	Incisal (Transparent)	20 Minifills á 250 mg
2MMCTIP-52OP	Dentin A2	20 Minifills á 250 mg
2MMCTIP-53OP	Dentin A3	20 Minifills á 250 mg

REF no.	Assortment	
2MCSY-3	Megafill MH Start-kit MINI	3 x 4,5 g, accessories
2MCSY-4	Megafill MH Start-kit MAXI	4 x 4,5 g, accessories
2MCSY-6	Megafill MH Start-kit	6 x 4,5 g, accessories
2MCSY-8	Megafill MH Basic Kit	8 x 4,5 g, accessories

Megafill Flow CERAM

REF no.	Shade	Information
2FLOWC-51	Enamel A1	single syringe 2,0 g
2FLOWC-52	Enamel A2	single syringe 2,0 g
2FLOWC-53	Enamel A3	single syringe 2,0 g
2FLOWC-54	Enamel A3,5	single syringe 2,0 g
2FLOWC-56	Enamel B2	single syringe 2,0 g
2FLOWC-52OP	Dentin A2	single syringe 2,0 g
2FLOWC-53OP	Dentin A3	single syringe 2,0 g
REF no.	Assortment	
2FLOWC	Megafill Flow CERAM	4 x 2,0 g, accessories

Megafill MH

Megafill MH is an universal light curing Microhybrid Composite for restoration 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 homogenous 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

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.

Megafill MH

REF no.	Shade	Information
2MMH-51	Enamel A1	single syringe 4,5 g
2MMH-52	Enamel A2	single syringe 4,5 g
2MMH-53	Enamel A3	single syringe 4,5 g
2MMH-54	Enamel A3,5	single syringe 4,5 g
2MMH-55	Enamel A4	single syringe 4,5 g
2MMH-66	Enamel B1	single syringe 4,5 g
2MMH-56	Enamel B2	single syringe 4,5 g
2MMH-57	Enamel B3	single syringe 4,5 g
2MMH-58	Enamel B4	single syringe 4,5 g
2MMH-59	Enamel C1	single syringe 4,5 g
2MMH-60	Enamel C2	single syringe 4,5 g
2MMH-61	Enamel C3	single syringe 4,5 g
2MMH-62	Enamel C4	single syringe 4,5 g
2MMH-63	Enamel D2	single syringe 4,5 g
2MMH-64	Enamel D3	single syringe 4,5 g
2MMH-65	Enamel D4	single syringe 4,5 g
2MMH-51OP	Dentin A1	single syringe 4,5 g
2MMH-52OP	Dentin A2	single syringe 4,5 g
2MMH-53OP	Dentin A3	single syringe 4,5 g
2MMH-54OP	Dentin A3,5	single syringe 4,5 g
2MMH-56OP	Dentin B2	single syringe 4,5 g
2MMH-INC	INCISAL (Transparent)	single syringe 4,5 g
2MMH-G21	GINGIVA 21 (pink)	single syringe 4,5 g
2MMH-G23	GINGIVA 23 (pink)	single syringe 4,5 g
2MMH-G25	GINGIVA 25 (pink)	single syringe 4,5 g

Megafill MH Minifills

REF no.	Shade	Information
2MMHTIP-51	Enamel A1	20 Minifills á 250 mg
2MMHTIP-52	Enamel A2	20 Minifills á 250 mg
2MMHTIP-53	Enamel A3	20 Minifills á 250 mg
2MMHTIP-54	Enamel A3,5	20 Minifills á 250 mg
2MMHTIP-55	Enamel A4	20 Minifills á 250 mg
2MMHTIP-66	Enamel B1	20 Minifills á 250 mg
2MMHTIP-56	Enamel B2	20 Minifills á 250 mg
2MMHTIP-57	Enamel B3	20 Minifills á 250 mg
2MMHTIP-61	Enamel C2	20 Minifills á 250 mg
2MMHTIP-62	Enamel C3	20 Minifills á 250 mg
2MMHTIP-64	Enamel D3	20 Minifills á 250 mg
2MMHTIP-INC	Incisal (Transparent)	20 Minifills á 250 mg
2MMHTIP-52OP	Dentin A2	20 Minifills á 250 mg
2MMHTIP-53OP	Dentin A3	20 Minifills á 250 mg

REF no.	Assortment	
2MFSY-3	Megafill MH start-kit MINI	3 x 4,5 g, accessories
2MFSY-4	Megafill MH start-kit MAXI	4 x 4,5 g, accessories
2MFSY-6	Megafill MH start-kit	6 x 4,5 g, accessories
2MFSY-8	Megafill MH Basic Kit	8 x 4,5 g, accessories

Megafill Flow

REF no.	Shade	Information
2FLOW-51	Enamel A1	single syringe 2,0 g
2FLOW-52	Enamel A2	single syringe 2,0 g
2FLOW-53	Enamel A3	single syringe 2,0 g
2FLOW-54	Enamel A3,5	single syringe 2,0 g
2FLOW-66	Enamel A4	single syringe 2,0 g
2FLOW-56	Enamel B1	single syringe 2,0 g
2FLOW-52OP	Dentin A2	single syringe 2,0 g
2FLOW-53OP	Dentin A3	single syringe 2,0 g
REF no.	Assortment	
2FLOW	Megafill Flow Start-kit	4 x 2,0 g, accessories

Megafill Bio

Megafill Bio is a low-allergy, light-curing universal micro hybrid composite with a low toxic potential for restorations in the anterior and posterior region. Due to its constant plastic consistency and wide shade selection, the material has excellent processing properties and is very well suited for classic restorative therapy and layering techniques for restorations. Megafill Bio can be polished to a high gloss and thus produces a highly esthetic restoration. Thanks to its high filler content, it is also ideal for voluminous posterior restorations that require particularly high stability and low shrinkage of the material. The matrix of Megafill Bio is free of Bis-GMA, which contains small amounts of BPA and is therefore suspected of having hormonal activity. Furthermore, TEGDMA was eliminated from the composition, which has been reported to be allergenic in numerous clinical studies. Megafill Bio thus has a significantly lower allergenic potential than conventional composites. Hydrophobized dental glasses and highly disperse surface-modified silicon dioxides are used as fillers. The surface of Megafill Bio is therefore resistant and protected against accumulations and discolorations. Megafill Bio is radiopaque and fluoresces similar to natural tooth structures under UV light. The homogeneous structure of the material and the selected fillers guarantee the chameleon effect and natural opalescence. The high polishability ensures long-term shade stability and natural aesthetics of the restoration. The pleasant processing, paired with outstanding properties and the universal applicability of Megafill Bio stand for high quality and a long life of the restoration.

Megafill Bio

REF no.	Shade	Information
2MMB-51	Enamel A1	single syringe 4,5 g
2MMB-52	Enamel A2	single syringe 4,5 g
2MMB-53	Enamel A3	single syringe 4,5 g
2MMB-54	Enamel A3,5	single syringe 4,5 g
2MMB-56	Enamel B2	single syringe 4,5 g
2MMB-57	Enamel B3	single syringe 4,5 g
2MMB-60	Enamel C2	single syringe 4,5 g
2MMB-64	Enamel D3	single syringe 4,5 g
2MMB-52OP	Dentin A2	single syringe 4,5 g
2MMB-53OP	Dentin A3	single syringe 4,5 g

Megafill Bio Minifills

REF no.	Shade	Information
2MMBTIP-52	Enamel A2	20 Minifills á 250 mg
2MMBTIP-53	Enamel A3	20 Minifills á 250 mg

REF no.	Assortment	
2MMBSY-3	Megafill Bio Starter-kit MINI	3 x 4,5 g, accessories
2MMBSY-4	Megafill Bio Starter-kit MAXI	4 x 4,5 g, accessories
2MMBSY-6	Megafill Bio Start-kit	6 x 4,5 g, accessories

Supported by:

Federal Ministry
for Economic Affairs
and Energy

on the basis of a decision
by the German Bundestag

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 65 % by volume is reached. This corresponds to a filling degree of more than 81 % by weight with conventional dental glass. The flexural strenght of P-Fill is distinctly higher than th evalues 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 thet 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.

P-Fill

REF no.	Shade	Information
2PF-51	A1	single syringe 4,5 g
2PF-52	A2	single syringe 4,5 g
2PF-53	A3	single syringe 4,5 g
2PF-54	A3,5	single syringe 4,5 g
2PF-56	B2	single syringe 4,5 g
2PF-64	D3	single syringe 4,5 g
REF no.	Assortment	
2PFSY-3	P-Fill Starter-kit MINI	3 x 4,5 g, accessories
2PFSY-4	P-Fill Starter-kit MAXI	4 x 4,5 g, accessories
2PFSY-6	P-Fill Start-kit	6 x 4,5 g, accessories

Prophylaxe materials

Camouflage

Camouflage is a novel flowable restorative material with selected microglass-filler for the direct veneering technique and esthetic restorations. Camouflage combines the typical properties of microhybrid composites with the most recent developments of nanotechnology. With more than 74% by weight, the total filler content of Camouflage is as high as that of conventional universal composites.
Camouflage is suitable for covering discolored teeth after root canal treatment, antibiotic therapy and fluorosis or after being restored with amalgam fillings. The classic method of restoration requires invasive grinding of teeth tissue, followed by placement of a crown or ceramic veneer. The application of Camouflage allows a minimally invasive, very effective aesthetic reconstruction, without extreme preparation of the enamel. This is made possible by the combination of color-matched opaque, dentin and incisal materials with a thin layer thickness. Due to a slightly thixotropic consistency, Camouflage does not drip and can be applied with high precision. The filler combination guarantees the desired chameleon effect, a natural opalescence and adapted fluorescence. Camouflage can be used with common adhesive systems, e.g. C-Prime S plus. An additional Camouflage modify-set with special intensive colors allows the color customization of restorations, denture acrylic teeth and veneers.

Tooth discoloration before treatment

Restoration with Camouflage

Camouflage

REF no.	Shade	Information
2CNN-OP	Opaque universal	single syringe 2 g
2CNN-OP51	Opaque / Dentin A1	single syringe 2 g
2CNN-OP52	Opaque / dentin A2	single syringe 2 g
2CNN-OP53	Opaque / Dentin A3	single syringe 2 g
2CNN-OP66	Opaque / Dentin B1	single syringe 2 g
2CNN-OP57	Opaque / Dentin B2	single syringe 2 g
2CNN-51	Enamel A1	single syringe 2 g
2CNN-52	Enamel A2	single syringe 2 g
2CNN-53	Enamel A3	single syringe 2 g
2CNN-54	Enamel A3,5	single syringe 2 g
2CNN-66	Enamel B1	single syringe 2 g
2CNN-57	Enamel B2	single syringe 2 g
2CNN-TRP	Transparent	single syringe 2 g
2CNN-G21	Gingiva 21	single syringe 2 g
2CNN-G23	Gingiva 23	single syringe 2 g
2CNN-G25	Gingiva 25	single syringe 2 g

REF no.	Assortment	
2CNSY-8	Camouflage	8 x 2 g, accessories

Camouflage modify-set

REF no.	Shade	Information
2CNNM-GB	yellow	single syringe 2 g
2CNNM-DB	dark-brown	single syringe 2 g
2CNNM-RT	red	single syringe 2 g
2CNNM-BL	blue	single syringe 2 g
2CNNM-SW	black	single syringe 2 g
2CNNM-CL	clear	single syringe 2 g

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. N-Seal is available in white-opaque shade for precise application control.

N-Seal

REF no.	Shade	Information
2NSEAL-OP	white-opaque	single syringe 1.8 g
REF no.	Assortment	
2NSS	N-Seal assortment	4 x 1.8 g, 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.

C-Seal

REF no.	Shade	Information
2CSEAL-OP	white-opaque	single syringe 1,8 g
2CSEAL-TR	transparent	single syringe 1,8 g
REF no.	Assortment	
2CSS	C-Seal assortment	4 x 1.8 g, accessories

Adhesive systems

MEGADENTA provides high-class adhesive systems for the filling therapy.
With C-Cid the natural tooth enamel can be etched or the „Total Etch Technique" performed. C-Bond, C-Bond CERAM 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 the dental laboratory use. Kerasil as universal silan is suited for connecting of ceramic- and metal surfaces. C-Prime SE enable the etching, prime and bond process in one step with unique handling properties. 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.

Kerasal

REF no.	Information	unit
1GZXKER	Silan-Bond	bottle 3 ml

C-Flourine

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

C-Flourine

REF no.	Information	unit
2CFL	Ceramic-etching gel	single syringe 3 g

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.

C-Cid

REF no.	Information	unit
1CXECID	etching gel	single syringe 3 g
1CXECID-5	etching gel	single syringe 5 g

C-Bond & C-Bond CERAM

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

C-Bond

REF no.	Information	unit
1CXXBND-5	C-Bond	bottle 5 ml
1CXCBND-5	C-Bond CERAM	bottle 5 ml

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.

N-Bond

REF no.	Information	unit
2NBND-5	Dental-Adhesive	bottle 5 ml

Adhesive systems

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).
C-Prime S plus is available in the dropper bottle as well as in single dose for single applications.

C-Prime S plus

REF no.	Information	unit
2PRIME-S	Dental Adhesive	bottle 5 ml
2PRIME-SM	Dental Adhesive single dose	20x 0.15 ml single dose

C-Prime SE

C-Prime SE is a one-step self-etching, light curing prime and bond adhesive (7th generation) for direct application. The steps etching, rinsing, priming and bonding are united by the direct application of C-Prime SE and the subsequent photopolymerization.
C-Prime SE provides high bond strength to natural enamel and dentin. This ensure more efficient bond between tooth structure and restorative filling material. C-Prime SE provides secure adhesion to various materials such as metal, ceramic and zircon.

C-Prime SE

REF no.	Information	unit
2PRIMSE	selfetching Dental-Adhesive	bottle 5 ml

Accessories

· brush holder
· brush inserts
· Dispensing Tips
· Composite gun for Minifills
· mixing pad
· miniature applicators, flocked for point accurate application of fluids and gels

Accesories

REF no.	Information	unit
3GZXANM	Mixing pad	1 pc.
3GZXPIH	Brush holder	1 pc.
3GZXPIE-5O	Brush inserts 50 pc.	bag á 50 pc.
3GZXKA-O4	Canule 0.4 mm	bag á 25 pc.
3GZXKA-12	Canule 1.2 mm	bag á 20 pc.
3GZXBRU	Single brushes	Packung á 50 pc.
3GZXGUN	Composite gun	1 pc.

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.

C-Cement Flow

REF no.	Information	unit
2CCEM-FL	C-Cement Flow dual cement	2 x 4 g automix +6 mixing tips

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.

T-Fill

REF no.	Information	unit
2TF-52	T-Fill singel pack	single syringe 4 g
2TF-3	T-Fill Start-Kit	3 x 4 g

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 tim
T-Fill eco can be used for temporary fixation of crowns and bridges and for patients with a methacrylate-allergy.

T-Fill eco

REF no.	Information	unit
2TF-EP	T-Fill Eco powder	80 g
2TF-EL	T-Fill Eco liquid	80 ml
2TF-E	T-Fill Eco assortment	80 g + 80 ml

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.

Megacem Aqua-Set

REF no.	Shade	Packung
2GIONF-51	A1	20 g powder, accessories
2GIONF-52	A2	20 g powder, accessories
2GIONF-53	A3	20 g powder, accessories
2GIONF-54	A3,5	20 g powder, accessories
2GIONF-56	B2	20 g powder, accessories
2GIONF-57	B3	20 g powder, accessories

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.

Megacem Pulver / Flüssigkeit

REF no.	Shade	Packung
2GIONL-51	A1	20 g powder, accessories
2GIONL-52	A2	20 g powder, accessories
2GIONL-53	A3	20 g powder, accessories
2GIONL-54	A3,5	20 g powder, accessories
2GIONL-56	B2	20 g powder, accessories
2GIONL-57	B3	20 g powder, accessories

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.

Megafix Aqua-Set

REF no.	Information	unit
2GIONC	Megafix assortment pack	20 g powder, accessories

accesories:
· bottle
· mixing pad
· measuring spoon

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.

Megafix Pulver / Flüssigkeit

REF no.	Information	unit
2GIONLLC	Megafix assortment pack	20 g powder, accessories

accesories:
· bottle á 15 ml liquid
· mixing pad
· measuring spoon

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.

application video
of Megatray

individual custom tray

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.

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.

cut out of spaces

perforation of the final tray

Megatray Basisplatte

REF no.	Information	unit
1MYDVOK-RS1	single pack 1,4 mm pink	Dose á 50 pc.

Megatray

REF no.	Information	unit
1MYDVOK-BL	single pack blue	Dose á 50 pc.
1MYDVOK-TR	single pack transparent	Dose á 50 pc.
1MYDVOK-RS	single pack pink	Dose á 50 pc.
1MYEVOK-BL	double pack blue	100 pc. (2x 50)
1MYEVOK-TR	double pack transparent	100 pc. (2x 50)
1MYEVOK-RS	double pack pink	100 pc. (2x 50)

Megatray Perfmaster

REF no.	Information	unit
2VLACK-UV20	bottle with brush insert	20 ml
2VLACK-UV	bottle with drop insert	30 ml

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 21º C polymerized MEGA-A without pressure in approximately 13 minutes. Mega-A is available in the shades clear, pink and blue-pink veined.

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-L is available in the shades clear, pink and blue-pink veined.

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.
MEGA-F is available in the shades clear, pink and blue-pink veined.

Fibers

Synthetic fibers red for individualization of denture base material.

Fibers

REF no.	Information	unit
2MAFAS	Fibers MEGA-A/L/F	5 g
1MALFRING	Shade guide MEGA-A/L/F	1 pc.

Denture base materials

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.

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)

Megaseal Universal

REF no.	Information	unit
2VLACK-UV20	bottle with brush insert	20 ml
2VLACK-UV	bottle with drop insert	30 ml

Megaseal N

REF no.	Information	unit
2VLACK-N	bottle with brush insert	20 ml

application video
Megatray & Megaseal

Mega-A

REF no.	Shade	Information	
1MAL-1000		liquid	1000 ml
1MAL-500		liquid	500 ml
1MAL-80		liquid	80 ml
1MAP-BRG1000	blue-pink veined	powder	1000 g
1MAP-BRG500	blue-pink veined	powder	500 g
1MAP-BRG80	blue-pink veined	powder	80 g
1MAP-KL1000	clear	powder	1000 g
1MAP-KL500	clear	powder	500 g
1MAP-KL80	clear	powder	80 g
1MAP-RS1000	pink	powder	1000 g
1MAP-RS500	pink	powder	500 g
1MAP-RS80	pink	powder	80 g

Mega-L

REF no.	Shade	Information	
1MLL-1000		liquid	1000 ml
1MLL-500		liquid	500 ml
1MLL-80		liquid	80 ml
1MLP-BRG1000	blue-pink veined	powder	1000 g
1MLP-BRG500	blue-pink veined	powder	500 g
1MLP-BRG80	blue-pink veined	powder	80 g
1MLP-KL1000	clear	powder	1000 g
1MLP-KL500	clear	powder	500 g
1MLP-KL80	clear	powder	80 g
1MLP-RS1000	pink	powder	1000 g
1MLP-RS500	pink	powder	500 g
1MLP-RS80	pink	powder	80 g

Mega-F

REF no.	Shade	Information	
1MFL-1000		liquid	1000 ml
1MFL-500		liquid	500 ml
1MFL-80		liquid	80 ml
1MFP-BRG1000	blue-pink veined	powder	1000 g
1MFP-BRG500	blue-pink veined	powder	500 g
1MFP-BRG80	blue-pink veined	powder	80 g
1MFP-KL1000	clear	powder	1000 g
1MFP-KL500	clear	powder	500 g
1MFP-KL80	clear	powder	80 g
1MFP-RS1000	pink	powder	1000 g
1MFP-RS500	pink	powder	500 g
1MFP-RS80	pink	powder	80 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, Megaclean, Mega-Glanz, Mega-Antiwax, MEGA-I, Megabloc and Silicon separating film.

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.

Mega-Finish

REF no.	Information	unit
1FINISH-500	Mega-Finish bottle	500 ml
1FINISH-100	Mega-Finish bottle	100 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.

Mega-M

REF no.	Information	unit
1MML-500	liquid	500 ml
1MML-80	liquid	80 ml
1MMP-500	powder	500 g
1MMP-80	powder	80 g

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.

Mega-Glanz

REF no.	Information	unit
1GLANZ-500	Mega-Glanz bottle	500 ml
1GLANZ-100	Mega-Glanz bottle	100 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).

Mega-Antiwax

REF no.	Information	unit
1WAX-500	Mega-Antiwax bottle	500 ml
1WAX-100	Mega-Antiwax bottle	100 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.

Mega-I

REF no.	Information	unit
1MEGAI-100	Mega-I bottle	100 ml
1MEGAI-500	Mega-I bottle	500 ml
1MEGAI-1000	Mega-I bottle	1000 ml
1MEGAI-5000	Mega-I container	5000 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.

Megaclean

REF no.	Information	unit
1MCL-100	Megaclean bottle	100 ml
1MCL-300	Megaclean bottle	500 ml
1MCL-3000	Megaclean container	1000 ml
1MCL-5	Megaclean Sparpack	5 x 300 ml + Spender
3GZXDIS	Spender f. bottle	1 pc.

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.

Silikonisolierfilm

REF no.	Information	unit
1SIXHÄR	catalyst	20 ml
1SIXPAS	silicone paste	500 ml
2SIXRET	retention crystals	100 ml
1SIXLAP	Lab-set	500 ml Paste, 2x 20 ml Härter, 100 ml Retentionskristalle

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.

Megablock

REF no.	Information	unit
1MBLOC	Megabloc syringe	3 g

Bloxx® tray

Light curing resin for the generative production of individual impression trays and base plates by using 3D-Printing process via DLP-Printer (UV-LED). The adapted viscosity allows a effective material consumption and maximum construction speed by high dimensional stability.

Type of printer: DLP-printer

Wavelength of light: 378 bis 388 nm

Layer thickness: 50 μm

Colour: blue

Blocks tray

REF no.	Information	unit
1BLOXX-TBL	Bloxx tray liquid	1000 g

Bloxx® model

Light curing resin for the generative production of high precise dental models in the dental technique area, e.g. crowns and bridges, inlays, onlays etc. The material has high mechanical properties and allows a smooth, scratch-resistant surface. The high opacity provides perfect visibility of all details

Type of printer: DLP-printer

Wavelength of light: 378 bis 388 nm

Layer thickness: 50 μm

Colour: beige / grey

Bloxx model

REF no.	Information	unit
1BLOXX-MO	Bloxx model liquid beige	1000 g
1BLOXX-MG	Bloxx model liquid grey	1000 g

Bloxx® cast

Light curing resin for the generative production of high precise casting objects. Bloxx® cast can be used by 3D-Printing process via DLP-Printer (UV-LED). The adapted viscosity allows an effective material consumption and maximum construction speed. Bloxx® cast burns out at 480°C without any residue.

Type of printer: DLP-printer

Wavelength of light: 378 bis 388 nm

Layer thickness: 50 µm

Colour: red-transparent

Blocks cast

REF no.	Information	unit
1BLOXX-CRT	Bloxx cast liquid red	1000 g

Bloxx® splint

Light-curing resin liquid for the generative production of bite splints, drilling templates and X-ray templates. Bloxx® splint is a clear-transparent and break-resistant material with high precision, stability and aesthetics. Especially during orthodontic treatments, this is a considerable advantage for the dentist and the patient. The material is tasteless, color stable, biocompatible and is approved as a class IIa medical device.

Type of printer: DLP-printer

Wavelength of light: 378 bis 388 nm

Layer thickness: 50 µm

Colour: transparent / clear

Bloxx splint

REF no.	Information	unit
1BLOXX-STR	Bloxx splint liquid clear	1000 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 countering 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.

application of Mega-M LC Flow

application of Mega-M LC

Mega-M LC / LC Flow

REF no.	Shade	Information
1M-LC	Mega-M LC blue	single syringe 3 g
1M-LCF1	Mega-M LC Flow blue	single syringe 3 g
1M-LCF2	Mega-M LC Flow red	single syringe 3 g
REF no.	Assortment	
1M-LCA	Mega-M LC Mini-Kit blue	3 x 3 g, accessories
1M-LCA1	Mega-M LC assortment blue	4 x 3 g, accessories
1M-LCA2	Mega-M LC assortment red	4 x 3 g, accessories

application video
Mega-M LC

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 curig 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

Megalight ST

REF no.	Information	unit
3LIGHT-S2E	Megalight ST	220V / Euro

Megalight MINI

REF no.	Information	unit
3LIGHT-M2E	Megalight ST	220V / Euro

Light polymerization units

Megalux units are in different variants and designs available, based on L.E.D. or Halogen light. 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 fan-less 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 interprated radiometer in the charging pod.

Megalux Multi-Wave

Megalux Multi-Wave is a universal high-performance L.E.D. light curing unit.
The combination of different light spectra in one device makes a photopolymerization of all kinds of light curing filling materials, bonding and adhesive systems possible. Megalux Multi-Wave can be used to polymerize all light curing materials not based solely on Camphorquinone. The optimal polymerization of the material will be reached with the high light intensity.

technical datas

	Megalux LED	Megalux Multi-Wave
main supply	100-240 V/ 50-60 Hz	100-240 V/ 50-60 Hz
light intensity		
with focus-optical fibre 8 mm (standard)	1,200 mW/cm²	1,800 mW/cm²
with focus-optical fibre 6 mm (optional)	1,600 mW/cm²	2,600 mW/cm²
spectral scale	430-490 nm	390-490 nm 390-490 nm
weight of handpiece	170 g	170 g 170 g
light guides		

Focus-Light guide 8 mm (standard)
Focus-Light guide 6 mm (optional)

Megalux LED

REF no.	Information	unit
3LUX-LED	Megalux LED	220V / Euro
3LUX-LEDMW	Megalux Multi-Wave	220V / Euro

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

REF no.	Information	unit
3LUX-E	Megalux E	220V / Euro

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 E plus

REF no.	Information	unit
3LUX-EP	Megalux E plus	220V / Euro

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 CS

REF no.	Information	unit
3LUX-2ES	Megalux CS	220V / Euro

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)

Megalux Softstart

REF no.	Information	unit
3LUX-SST	Megalux Softstart	220V / Euro

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

Megalux Softstart R

Artikel-Nr.	Information	Einheit
3LUX-SSR	Megalux Softstart R	220V / Euro

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 mW / 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

Megalux Fast-Cure

Artikel-Nr.	Information	Einheit
3LUX-FC	Megalux Fast-Cure	220V / Euro

Light polymerization units

Spare Parts & Accessories

- **Spare bulb for Megalight MINI / ST**   (9W / UVA Light / Light Color 78)
- **Spare bulb for Megalight MINI / ST**   (9W / Blue Light / Light Color 71)

- **Spare bulb for halogen light instruments Megalux**   12 V / 75 W
- **Light tip STANDARD**   (8 mm)
- **Focus Light tip**
- **Facial Light tip**
- **Eyes protective shield**

Megalux CS

Artikel-Nr.	Information	Einheit
3LIGHT-L	Megalight Ersatzlampe	9W / UVA
3LIGHT-L71	Megalight Ersatzlampe	9W / Blaulicht
3LUX-EL	Megalux Ersatzlampe	12V / 75 W
3LUX-BNP	Bandpassfilter	1 St. Rund
3LUX-BSU	Blendschutz Universal	1 St. / 8-13 mm
3LUX-BSO	Blendschutzschild	1 St. / oval
3LUX-BSE	Blendschutzschild	1 St. / eckig
3LUX-LLS	Lichtleiter Megalux Standart	1 St. / 8 mm
3LUX-FC	Lichtleiter FOCUS 160	1 St.
3LUX-FC1	Lichtleiter FOCUS 170	1 St.
3LUX-FMF	Frontkappe mit Filter	1 St.
3LUX-FOF	Frontkappe ohne Filter	1 St.

Notes

Notes

MEGADENTA is available 24 hours a day:

www.megadenta.de

 www.facebook.com/MEGADENTAWORLD