

Charisma<sup>®</sup> and Charisma<sup>®</sup> flow



**Naturally reliable**

Product information

# Charisma® / Charisma® flow – Naturally reliable all-rounders

The microparticle hybrid composite Charisma has proven itself for over ten years and is used every day by practitioners around the world. Millions of fillings have already been applied with Charisma worldwide.

Charisma is an uncomplicated filling material, with which aesthetic and long lasting results can be achieved.

Charisma can also be combined with the low viscosity composite Charisma flow to cover all common indications: From posterior fillings subject to particular stress through to highly aesthetic anterior restorations. These two mutually matched materials are versatile all-rounders and offer a high degree of reliability.



# Charisma® – with chameleon effect

Thanks to Charisma's pronounced chameleon effect, patients' demands for aesthetically high-grade long-lasting restorations can be fulfilled.

Charisma is based on a matrix of Bis-GMA, various photo-initiators and TEGDMA. Charisma contains 78 percent by weight of organic fillers composed of X-ray opaque Microglass® (Ø 0.7 µm/max. >2.0 µm) and highly dispersive silicon dioxide (0.01–0.07 µm/Ø 0.04 µm).

## Natural aesthetics made easy

- Easy, fast handling
- Good modelling properties
- Natural like wear properties
- Maximum protection for the antagonists
- Excellent margin adaptation
- High X-ray opacity

- Pronounced chameleon effect
- Safe and fast colour selection (colour bar from original composite)
- Natural fluorescence
- Excellent polishing properties
- Excellent surface lustre
- Broad colour spectrum

## Indications

- Class I–V fillings
- Form and colour corrections
- Diastema closure
- Milk tooth restorations
- Correction of developmental dental defects (e.g. enamel dysplasia)
- Splinting of teeth loosened through trauma



2-layer amalgam filling on tooth 35



Fractured incisal margin on tooth 11



Dental care with Charisma



Dental care with Charisma

Clinical images: Dr. Jürgen Garlichs, Kiel, Germany

# Charisma®

## The beauty lies in the layers

Using the layer technique, all the aesthetic advantages can be exploited that Charisma has to offer. Natural restorations can be created for individual layering of dentin, enamel and translucent Charisma colours, which perfectly match the patient's surrounding dental substance.

### Enamel colours

The enamel colours have a colour intensity of medium transparency and are available in a wide range of colours. Enamel colours can be used without further layering or they may be combined with dentin and translucent colours.



Starting situation tooth 22



Form correction with Charisma

Clinical images: Dr. Luiz Antônio Felipe

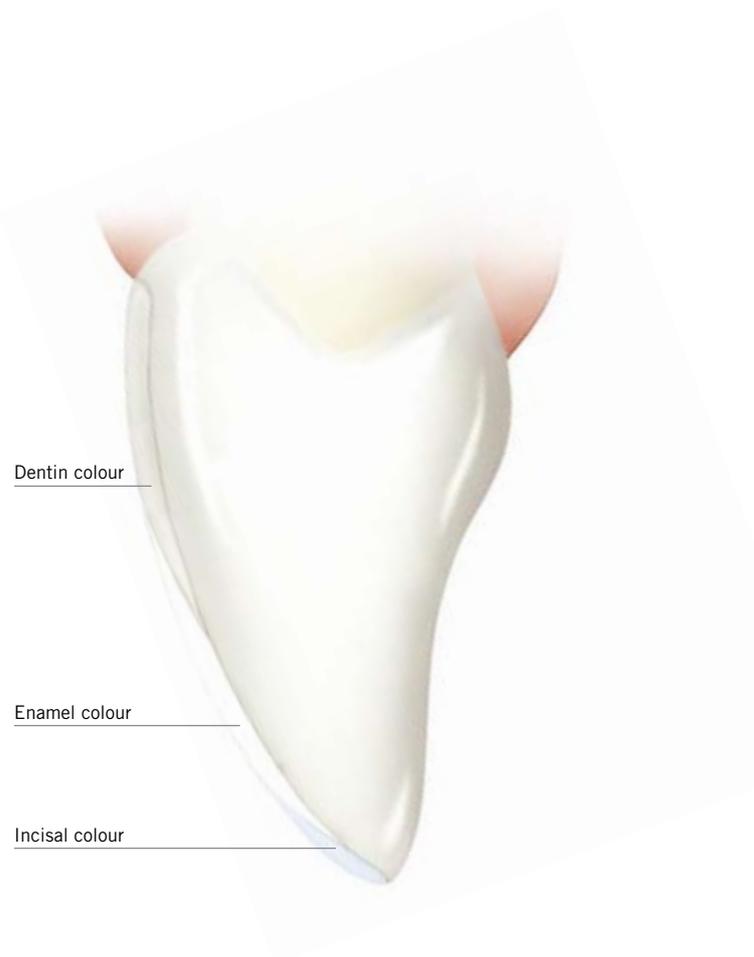
### Opaque dentin colours

These colours ensure the nature-identical colour intensity (chroma) of the restorations. However, dentin colours can also be used without further layering.

### Incisal colours

The translucent colours have the highest transparency and the lowest colour intensity. They are used to set off the restoration. They are layered over the enamel colour to produce a natural appearance and translucence.

The colour range includes effect colours and super bleach colours specially developed for bleached teeth.



# Charisma®

## Reliable crafting of aesthetic restorations

Various stages can be observed in the development of composites: Chemically curing materials were superseded by light curing; macro-fillers were replaced with intelligent mixtures of filler materials of different grain size.

These developments were followed by “microparticle hybrid composites” such as Charisma. The increased filler content meant that excellent mechanical properties could be achieved, such as high abrasion strength and relatively low polymerisation shrinkage.

### Extensive positive long-term experience

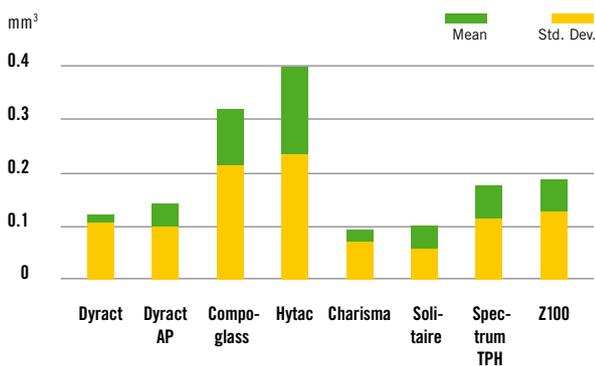
Charisma has been investigated in a large number of clinical studies and found to be good. The excellent scientific results agree with the practitioners’ experience.

### Mechanical properties

■ E modulus	8 GPa
■ Bending strength	120 MPa
■ Surface hardness and load bearing capacity (top side/under side)	480/450 MPa
■ Compressive strength	325 MPa
■ Diametric tensile strength	43 MPa
■ X-ray opacity	200 % AI

### Wear resistance

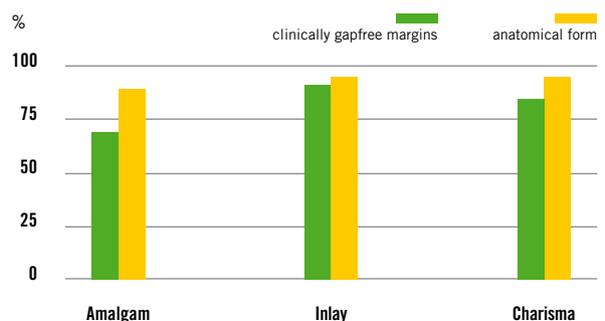
Mean wear of different restoratives in a artificial oral environment simulator



Source: Graf, A., Sindel, M., Pelka, M., Krämer, N., Frankenberger, R.: CED-IADR Meeting 1997, Madrid. Abstract No. 434

### Clinical 5-year study

Percentage of restorations showing clinically gapfree margins and acceptable anatomical form



Source: Vollandt, K., Voigtsberger, G., Glockmann, E., Hoyer, I.: 15th Annual Meeting of the DGZ, Cologne 2001, Abstracts from the scientific presentations: 48

# Charisma® flow

## Fantastic adaptability

Charisma flow is the ideal supplement to the long established microparticle hybrid composite Charisma. Thanks to its low viscosity and thixotropy, Charisma flow is amazingly precise and adaptable.

### Safe usage, high standard of aesthetic appeal

- Controllable consistency: starting consistency is stable and the material becomes controllably fluid on stirring
- Easy, fast handling
- X-ray opaque
- Pronounced chameleon effect
- Natural fluorescence
- Broad colour spectrum
- Colours optimally match the Charisma colours

### Baseliner

The Charisma flow baseliner can be applied on the cavity floor to mark the transition to the natural hard tooth tissue. This means that unnecessary drilling away of healthy hard tooth tissue when removing an insufficient filling can be avoided. In addition, dark discolouration can be superbly covered with Charisma flow baseliner.

### Colour interaction of Charisma and Charisma flow – simply homogeneous



### Indications

- Class V fillings
- Minimal invasive class I and II fillings in regions of low occlusal force
- Minimal invasive class III fillings
- Sealing of fissures and extended fissures
- Small form and colour corrections on enamel and dentin
- Small repairs of direct and indirect restorations in combination with a suitable bonding
- Splinting of teeth
- Cavity lining
- Reinforcing brackets

### Supply with Charisma flow



Finery effects tooth 23 and 24

Source: Dr. J. Garlichs, Kiel, Germany



Supply with Charisma flow

# Charisma®/Charisma® flow

## Product assortment

Product	Art. No.
<b>Charisma</b>	
Shade Guides	
■ Charisma Shade Guide: 18 colours _____	66000121
■ Charisma Shade Guide: 5 colours _____	66004007
Assortments	
■ Charisma Syringe/Gluma Comfort Bond Trial Kit _____	66001690
■ Charisma Syringe Assortment _____	66000077
■ Charisma Syringe Eco Assortment _____	66001491
■ Charisma Syringe/Gluma Comfort Bond _____	66001691
■ Charisma PLT Range _____	66000078
Charisma PLT: 20 x PLT à 0.25 g	
■ PLT – A1 _____	66000103
■ PLT – A2 _____	66000104
■ PLT – A3 _____	66000105
■ PLT – A3.5 _____	66000106
■ PLT – A4 _____	66000107
■ PLT – B1 _____	66000108
■ PLT – B2 _____	66000109
■ PLT – B3 _____	66000110
■ PLT – C2 _____	66000111
■ PLT – C3 _____	66000112
■ PLT – C4 _____	66000113
■ PLT – D3 _____	66000114
Charisma PLT: 10 x PLT à 0.25 g	
■ PLT – OA2 _____	66000115
■ PLT – OA3 _____	66000116
■ PLT – OA3.5 _____	66000117
■ PLT – OB2 _____	66000118
■ PLT – I (incisal) _____	66000119
■ PLT – SL (super light) _____	66000120
■ PLT – SLT (super light transp.) _____	66002503
■ PLT – SLO (super light opaque) _____	66002504
■ PLT – YB (yellow brown) _____	66002506
■ PLT – DB (dark brown) _____	66002507

Product	Art. No.
Charisma Syringes: Single pack syringes à 4 g	
■ SYR – A1 _____	66000085
■ SYR – A2 _____	66000086
■ SYR – A3 _____	66000087
■ SYR – A3.5 _____	66000088
■ SYR – A4 _____	66000089
■ SYR – B1 _____	66000090
■ SYR – B2 _____	66000091
■ SYR – B3 _____	66000092
■ SYR – C2 _____	66000093
■ SYR – C3 _____	66000094
■ SYR – C4 _____	66000095
■ SYR – D3 _____	66000096
■ SYR – OA2 _____	66000097
■ SYR – OA3 _____	66000098
■ SYR – OA3.5 _____	66000099
■ SYR – OB2 _____	66000100
■ SYR – I (incisal) _____	66000101
■ SYR – SL (super light) _____	66000102
■ SYR – SLT (super light transp.) _____	66002510
■ SYR – SLO (super light opaque) _____	66002511
■ SYR – YB (yellow brown) _____	66002513
■ SYR – DB (dark brown) _____	66002514
<b>Charisma flow</b>	
■ Charisma flow Syringe Assortment _____	66015521
Charisma flow Syringes: Single pack syringes à 1.8 g	
■ SYR – A1 _____	66015495
■ SYR – A2 _____	66015496
■ SYR – A3 _____	66015497
■ SYR – A3.5 _____	66015498
■ SYR – B2 _____	66015499
■ SYR – B3 _____	66015500
■ SYR – OA2 _____	66015501
■ SYR – OA4 _____	66015502
■ SYR – OB2 _____	66015503
■ SYR – Baseline White _____	66015504
■ SYR – SB _____	66015872

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