

WIELAND



UNLIMITED DIMENSIONS ...

C-Box 
dimension

Unlimited Dimensions ...

Overcoming aesthetic challenges – WIELAND succeeds in making veneering ceramics compatible with digitisation.

Even proven and highly aesthetic top-quality ceramics are capable of ongoing development and refinement. The requirements not only of patients and dentists but also of the dental technicians who use the materials are governed by a wide variety of criteria – and often economic considerations are foremost, but of course the methods of fabrication and materials used adapt, too.

Users and experienced ceramics experts have played an important part in the creation of the new zirconium dioxide veneering ceramics. From ease of handling during use and the reliable firing process even with multiple firings to the brilliant, natural-looking results obtained, everything about these materials is sure to impress.

But economic considerations and the ability use these materials in combination with computer-assisted manufacturing were also in the forefront during development.

Fully-contoured ZENOSTAR restorations made from biologically superior zirconium dioxide can be finished using components from the Zenoflex system. The Zenoflex dimension One single-layer ceramic offers enormous potential for savings. And of course, the professional build-up guarantees outstanding aesthetics.

The modified microstructure with ASM (anti-stress minerals) is the result of extended research and enables undesirable tensile stresses to be reduced whilst at the same time maintaining the necessary compressive stresses.

As with the Reflex dimension PFM system the Creative Box, which can be assembled to meet individual requirements, is not only a compact storage unit for the ceramic materials, but the heart and soul of the system.

Zenoflex dimension – be creative!

Zenoflex

dimension



STANDARD SEGMENT

ZENOSTAR

- Monolithic zirconium dioxide crown
- Can be individually characterised by the use of stains
- Affordable, reliable, robust

Cut-Back

- CAD-designed dentine core with aesthetic enamel layer
- Affordable, reliable, robust

Single-layer technique

- Simple and convincing with only one layer of material
- Economical stain technique

PREMIUM SEGMENT

Three-layer build-up

- Build-up with Core Liner, Core Stain, Dentine and Incisal
- Gives better-than-average aesthetics

Professional build-up

- Covers all indications
- Aesthetics to satisfy the most discerning patients

INDICATION:
Posteriors

INDICATION: universal

Better aesthetics

More automation

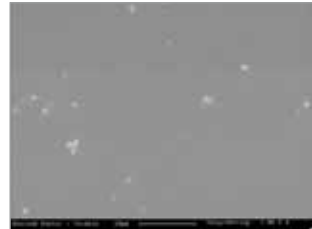
Material properties

The launch of the new Zenoflex dimension system marks a further step towards perfecting the zirconium dioxide veneering ceramic by adding a considerable number of applications.

The innovative ASM microstructure gives the user a considerable degree of confidence and reliability and in clinical use, the anti-stress minerals (ASM) enable undesirable tensile stresses to be removed whilst at the same time retaining the required compressive stresses. The veneered ZrO_2 restoration therefore boasts the best possible distribution of stresses with a consequent increase in the life of the restoration.

Highlights of this new microstructure:

- An extremely smooth, homogeneous and plaque resistant surface. This innovative microstructure can be both felt and seen.
- Gentle on the gingiva and on the opposing teeth
- Extremely high flexural strength: 120 MPa



ASM = anti-stress-minerals

So easy to get started

The C-Box is a compact, ergonomic and stylish designer ceramic system. It enables you to adjust the time spent and material used according to the requirements of each particular job and technique, from single-layer ceramics and the standard build-up using a limited number of materials to the more involved premium restorations for the most discerning requirements. Modern ceramic systems are compact, stripped to the bare essentials and in the case of new dimension WIELAND ceramics can even be selectively assembled to meet your particular needs. In other words, you can decide upon the contents of your C-Box yourself.

But this freestyle method is just one of your options. Our predefined modules make it really easy for any lab to get started. There are no limits to the dimensions of creativity and economy attainable. But all modules and all materials have their place in the centrepiece of this system. The C-Box.



Step into the world of dimensions



Single-layer technique



Three-layer technique



Professional layering

Dimension One Module – The entry-level concept for the single layer technique

With just two translucent single-layer materials, the corresponding Core Liners and Core Stains together with the Stains and Body Stains, all 16 colours of the A-D shade guide can be reproduced with ease. By purchasing ZENOSTAR Magic Glaze and using the Stains and Body Stains, it is also possible to work on ZENOSTAR restorations and use the cut-back technique.

Basic I Module – The entry level concept for the three-layer build-up

For customers who prefer the classical three-layer technique as an alternative to the professional build-up. This module includes all 16 standard shades as well as materials for the four bleach shades.

Basic II Module – The entry level concept for the professional build-up

The Basic II Module is an eight-shade assortment suitable for multiple-layer build-ups. It includes five Core Liners as well as four Core Stains and the corresponding Dentine and Chromatix materials. In addition, this set is rounded off by the inclusion of a number of modifiers and stains.

When entering the world of new dimensions in ceramics, you can of course expand on these entry-level options. For this purpose, a number of add-on modules are available which enable you to quickly and easily build up your set to a full complement. If you are already convinced by this unique concept, you can assemble your complete set yourself to suit your own requirements. Freestyle, you might say. In this case, the classy designer C-Box is included free of charge.

Individual modules



If you want to expand your starter set to meet your individual requirements, there are a number of individual modules to make this easy for you.

Bleach Module

The Bleach Module contains all the materials needed to reproduce the four bleach shades of the A-D shade guide.

3D Module

Used to create all 26 3D-Master* shades.

X Stain RZ Module

The X Stain RZ Module comprises 16 stains and four body stains. It can be used for Zenoflex dimension, Reflex dimension and for the direct staining of ZENOSTAR restorations.

Chromatix Module

This module contains the Chromatix materials needed to complement all 16 tooth shades.

Shoulder Module

Consisting of 12 shoulder materials, this module covers the various tasks involved in building up the shoulder.

Advanced Module

The Advanced Module consists of the remaining supplementary materials. This means that there are no limits when carrying out a professional build-up.

Reliable, ergonomic and affordable

Whereas new ceramic products were previously able to impress mainly through their visual and aesthetic qualities, other aspects have become increasingly important over the last few years – cost-effectiveness, simplicity, price and therefore the ergonomic features of a product.

Reliable

- Better-than-average bonding for all conventional zirconium dioxides
- Relief cooling is only necessary for the final bake.
- Extremely strong
- **10-year long-life guarantee** on the bond

Affordable

- **ZENOSTAR with or without the cut-back technique** for maximum cost-effectiveness
- **Single-layer ceramic** as an especially affordable but also aesthetically impressive solution
- Very simple layering system from **Standard to Premium**
- Robust in use
- The **modular system** enables each set to be individually assembled.
- Perfect handling, excellent firing properties

Aesthetic

- Perfect shade match with all WIELAND X-Type ceramics
- Core Stains for lending a pastel shade to frameworks
- Dentine and Chromatix for exceptionally brilliant basic shades
- New **opalescent modifiers**
- **Bleach shades** to match the A-D shade guide can now be reproduced.
- Optimised opal incisal with high translucence and outstanding brilliance
- **ZENOSTAR Magic Glaze** spray glaze for polished ZrO_2 -surfaces
- Natural-looking fluorescence and opalescence
- **3D-Master* shades** can now also be reproduced.





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The logo for Zenoflex dimension features the brand name in a green, sans-serif font. To the right of the text is a green square icon containing a white stylized 'X' shape, which is formed by two overlapping diagonal lines.

www.wieland-international.com

WIELAND Dental + Technik GmbH & Co. KG
Schwenninger Straße 13, 75179 Pforzheim, Germany
Fon + 49 (0) 72 31/37 05-0, Fax + 49 (0) 72 31/35 79 59

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