

# IPS Empress® Esthetic

INFORMATION FOR THE DENTIST



## NEWS

from the IPS Empress Original System  
for the dental office

# A tried-and-tested system

## With new aesthetic properties ...

Aesthetics and durability are important considerations for all-ceramics. IPS Empress has proven itself for more than 15 years as regards both criteria. The IPS Empress pressed ceramic system satisfies discerning users and patients all over the world. Twenty-five million placed restorations are testimony to the durable true-to-nature effect, long-lasting success and the high quality standard of IPS Empress.

### NEWS from the Original System

The Original System is continuously being developed, setting trends in the market with regard to aesthetics, function and biocompatibility. The most recent innovation from the field of all-ceramics is IPS Empress Esthetic. The material opens up a host of unexpected aesthetic possibilities for inlays, partial crowns, full crowns and veneers.



#### **IPS Empress Esthetic Ingots**

The new IPS Empress Esthetic Ingots are based on an extremely homogeneous leucite glass-ceramic, which features natural light scattering and offers a balanced chameleon effect. Due to an increased density and homogeneity of the crystals, the restorations blend perfectly into the natural surroundings. Moreover, the ingots exhibit improved flexural strength of  $160 \pm 8$  MPa.



#### **IPS Empress Esthetic Veneer Material**

With the new IPS Empress Esthetic Veneer layering materials, veneers and anterior crowns can be fabricated using a combined press/layering technique: delivering outstanding aesthetic properties and an accurate fit.

## ...for the following indications



Tooth 21 featuring a discoloured composite build-up



Preparation for IPS Empress Esthetic Veneer



Etch the veneer with IPS Ceramic etching gel and rinse



Silanize the veneer with Monobond S and apply Excite DSC



Etch enamel with phosphoric acid (Total Etch)



Etch dentin with Total Etch



Rinse phosphoric acid with water



Apply Excite DSC on enamel and dentin and disperse with blown air



IPS Empress Esthetic Veneer seated with Variolink II

Indications		Luting material
Veneer	✓	Variolink II
Inlays/partial crowns	✓	Variolink II or Multilink
Full crowns	✓	Variolink II or Multilink

# Shade selection and

## Aesthetic and true-to-nature

The accurate shade is the basis for a true-to-nature restoration.

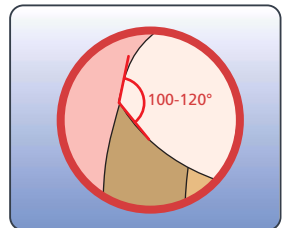
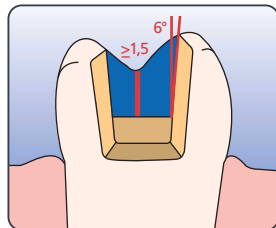
The Chromascop shade guide offers valuable support for accurate shade selection. The die shade guide helps to determine the dentin shade of the prepared tooth. The shade of the die and the desired tooth shade are decisive for the selection of the ingot shade.

Apart from the nine conventional ingot shades, IPS Empress Esthetic is also available in two ultra-bright Bleach shades, which are particularly suitable for veneers.

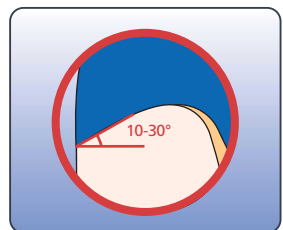
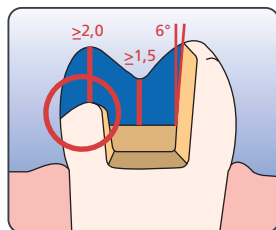


### INLAY

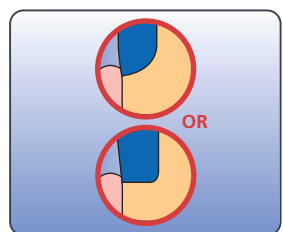
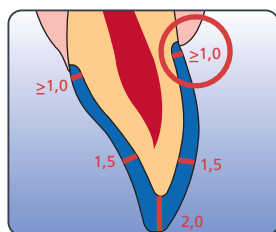
Dimensions in mm



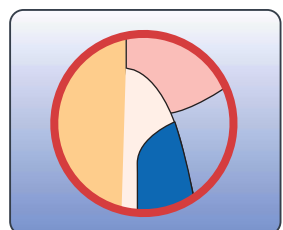
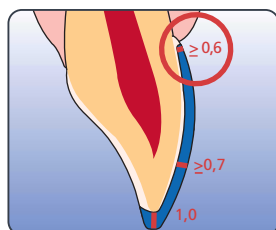
### PARTIAL CROWN



### FULL CROWN



### VENEER

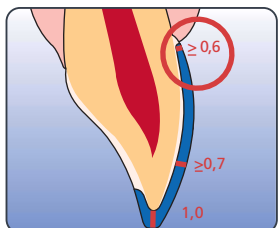
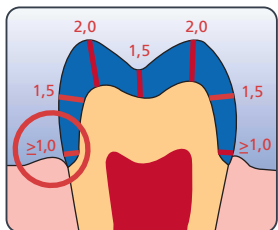
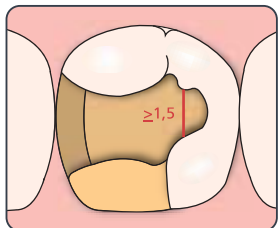
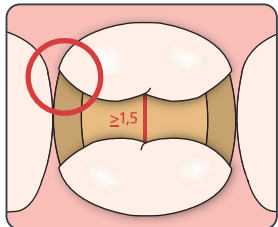


# End tooth preparation:

## Defect-oriented and minimally invasive

Careful preparation is decisive for the durability and accuracy of fit of the restoration.

It is important to properly design the margin with a circular shoulder or chamfer preparation and rounded inner aspects. Transitions with sharp angles and feather edge margins should be avoided. In order to achieve a stable restoration, the minimum wall thicknesses have to be observed.



IPS Empress Esthetic partial crown adhesively luted with Variolink II / Syntac

Dr. Arnd Peschke / Katja Maier



Tooth 16 with defective amalgam filling



Preparation for IPS Empress Esthetic partial crown



Etch partial crown with IPS Ceramic etching gel and rinse



Silanize with Monobond S and apply Heliobond



Etch enamel with Total Etch. If desired, etch dentin too.



Apply Syntac Primer and dry with a stream of air



Apply Syntac Adhesive and dry



Apply Heliobond on enamel and dentin and disperse



IPS Empress Esthetic partial crown seated with Variolink II

# Adhesive luting:

## Proven and coordinated

IPS Empress Esthetic restorations have to be adhesively cemented. We recommend Variolink II or Multilink and the dental adhesives Syntac or Excite DSC for the cementation of inlays, partial crowns and full crowns. For IPS Empress Esthetic Veneers only Variolink II should be used.

### Variolink II

The Variolink II System, which has been successfully used for many years, links the clinical experience gathered over many years to the proven IPS Empress System. The light-/dual-curing luting composite for highly aesthetic demands is available with the dual-curing bonding agent Excite DSC or the tried-and-tested Syntac.

### Multilink

The self-curing (chemically curing) resin-based luting cement Multilink is suitable for universal application and is available in the convenient double-push syringe.

### CEM Kit – Esthetic Cementation System

(with Excite DSC)



### Multilink System Pack



### CEM Kit – Professional Set

(with Syntac)



# Experts agree:

## The success rate achieved with IPS Empress is convincing!



Dr. Michael Sesemann:  
«IPS Empress has set the standard for all-ceramic restorations and it has always been my material of choice. With the addition of IPS Empress Esthetic, I can achieve even greater results with its life-like vitality and its expanded shade range.»



Dentistry by Dr. Michael Sesemann / Lee Culp, CDT

**10-year clinical performance**  
IPS Empress restorations received high patient and dentist acceptance for resistance to fracture and wear and for excellent aesthetics. The Dental Advisor continues to highly recommend IPS Empress after 10 years in service.  
The Dental Advisor (2004); 21(3):6



Dr. John Roberts:  
«IPS Empress has always given me great results. With IPS Empress Esthetic I am achieving even better results with more life-like restorations. The improved ingots and the wider shade range give me the highly esthetic results my patients demand.»



Dentistry by Dr. John Roberts / Matt Roberts

**Clinical evaluation of leucite-reinforced glass-ceramic crowns over 11 years**  
**Survival rate after 11 years: 95.2 %**  
M. Fradeani, M. Redemagni, Quintessenz (2003); 54:379-386

**Leucite-reinforced glass ceramic inlays and onlays after eight years in vivo**  
**Survival rate after 8 years: 92 %**  
N. Krämer, A. Petschelt, R. Frankenberger, J Dent Res Spec Iss (2002); 81:Abstr. #1696:A-224



Dr. Michael Miyasaki:  
«In dentistry, we are used to seeing products become obsolete... IPS Empress just keeps getting better. After being a reliable aesthetic material that I've used for a decade it has become even more reliable and more aesthetic.»



Dentistry by Dr. Michael Miyasaki / Jürgen Seger, CDT

**Four-year survival rate study of IPS Empress restorations**  
**Postoperative sensitivity with Syntac/Variolink II and Syntac/Dual Cement accounts for less than 1 %**  
L. Pröbster, HJ. Ulmer, E. Engel, Ann. Conf. DGZPW (1996); Abstr. #70:59

**Six-year follow-up with IPS Empress veneers**  
**Survival rate after 6 years: 98.8 %**  
M. Fradeani, Int J Periodont Rest Dent (1998); 18:217-225

# IPS Empress® Esthetic

Go for Esthetics. Go for IPS Empress Esthetic.

The IPS Empress Esthetic brochure is also available in a version for dental technicians and patients.

The Clinical Guide offers detailed information on the clinical application.

