

Effortless dental masterpieces

IPS Empress® Direct

The highly esthetic composite



The composite for highly esthetic fillings

IPS Empress® Direct is our highly esthetic, sculptable composite for anterior and posterior teeth. We specially developed it to fulfil the highest esthetic demands.

Our aim is to unlock your inner creativity.

More than
44 million
fillings have
been placed^[1]

Esthetics

Lifelike shades for natural-looking restorations

IPS Empress Direct materials come in a wide range of true-to-nature shades and five different levels of opacity/translucency, which allow you to imitate the individual characteristics of natural teeth.

Quality

A long-lasting smile

IPS Empress Direct has outstanding clinical and esthetic properties. More than 44 million^[1] restorations have been placed with the composite, which translates to extensive experience with the material.

Efficiency

Convenient handling and intuitive application

The composite is convenient to use and easy to sculpt and contour. The material has a long working time, and it quickly polishes to a high gloss.



^[1] Based on sales figures.

Lifelike shades for natural-looking restorations

IPS Empress Direct® is almost as multi-faceted as natural teeth. Lifelike shades and levels of translucency and opacity allow you to faithfully reproduce the different anatomical layers of teeth as well as any individual characteristics.

Tip:

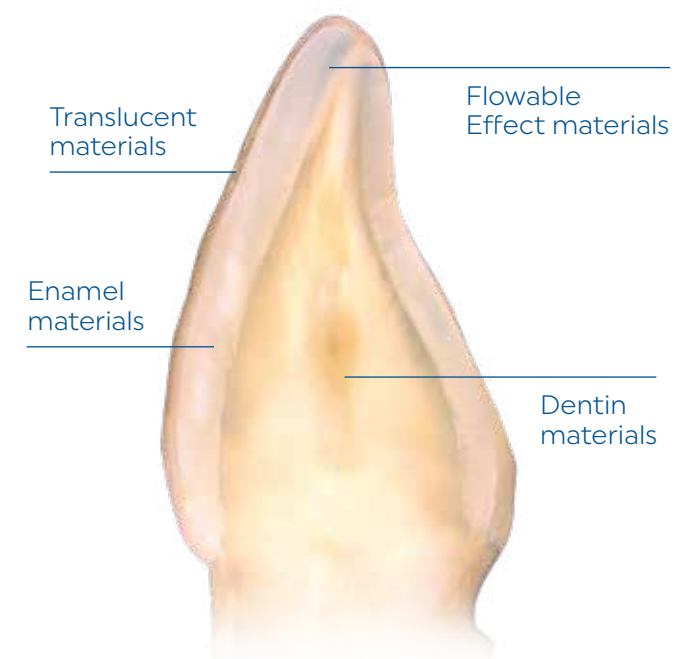
Use our colour-stable, autoclavable shade guides to achieve precise shade matching results.

Intuitive shade system

IPS Empress Direct features dentin and enamel materials. Dentin materials are used to replace natural dentin and Enamel materials to reproduce natural enamel.

The Dentin materials have true-to-nature opaque properties and therefore influence the overall shade from within the tooth. The Enamel materials have a higher translucency and therefore allow light to diffuse naturally through the Dentin materials.

Three translucent materials, Trans 20, Trans 30 and Trans Opal, are available for controlling light reflections in the incisal region.



- ✓ 13 Dentin shades
- ✓ 16 Enamel shades
- ✓ Trans 20, Trans 30 and Trans Opal for incisal areas

Masking properties

Dentin
A2



7-8%

Enamel
A2



13-15%

Trans
20



20%

Trans
30



30%

Trans
Opal



45%

Play of light

Sample values, Technical Data Sheet, Ivoclar Vivadent AG

Unlock your inner creativity

You can customize all of your restorations in great detail with the flowable characterization materials IPS Empress® Direct Effect, IPS Empress® Direct Opaque and IPS Empress® Direct Color.

They are simply applied just under the final covering layer.



Easy application of nuances with Trans Opal

The opalescent effect of dental enamel manifests itself in a bluish, translucent appearance of the incisal edge.

The special Trans Opal material allows you to faithfully reproduce this opalescent effect in just one step. In reflected light the material has a bluish tinge, while in transmitted light it has a reddish-orange appearance – exactly as it should be for natural-looking results.

Reflected light



Transmitted light



Accentuation of mamelons and application of opalescent effects with IPS Empress Direct Effect Trans Opal



Photos: Dr Eduardo Mahn, Chile

Application of fluorosis marks with IPS Empress Direct Color white



Photos: Dr Markus Lenhard, Switzerland

Imitation of enamel cracks with IPS Empress Direct Color ochre and brown



Photos: Dr Anton Lebedenko, Ivoclar, Liechtenstein

Closing of a diastema and creation of an opalescent effect using IPS Empress Direct Enamel and IPS Empress Direct Trans Opal



Photos: Dr Eduardo Mahn, Chile

A long-lasting smile

IPS Empress® Direct is a market-leading, highly esthetic dental composite. Studies have shown that the material maintains its esthetic appearance for a very long time.

Clinically proven

More than 44 million fillings^[2] have been placed, and beaming patients around the world are proof of the outstanding esthetics and high quality of IPS Empress Direct. Furthermore, a clinical trial^[3] has confirmed the excellent performance of the restorations after five years in service. After this time, the colour match of 70 percent of the restorations was deemed clinically excellent or good and the remaining 30 percent were considered satisfactory.



"I've been working with IPS Empress Direct for many years. I'm impressed by the versatile characterization options and above all by the excellent esthetic properties and the high quality of the restorations, even after many years in service."

Dr Eduardo Mahn
Clinica Artis, Universidad de los Andes,
Santiago, Chile

The case of a 24-year-old-patient shows that the esthetic result remained constant over a period of eight years. Very little wear occurred.

Starting situation, 2015



Build-up of the palatal wall / of the dentin core



The result



Recall examination after eight years, 2023



Photos: Dr Eduardo Mahn, Chile

Lasting high gloss

OptraGloss® allows you to polish IPS Empress Direct restorations to a high gloss in one step. Because of the optimal filler particle size distribution, the restoration surface retains its lustre for a long time.



[2] Based on sales figures.

[3] Cerutti A, Study Report, University of Brescia, 2015.

Convenient handling and intuitive application

Easy handling of IPS Empress Direct:

- ✓ Intuitive shade system simplifies handling
- ✓ Shape is maintained during sculpting and contouring
- ✓ Good adaptation to cavity walls and reduction in the risk of marginal gap formation
- ✓ Less pressure on the practitioner because of a long working time of up to 300 seconds^[4]
- ✓ Quick polish to a lasting high gloss
- ✓ High radiopacity of up to 360 % AI

Only a few steps to lifelike, vibrant restorations:



Photos: Dr Eduardo Mahn, Chile

Delivery forms

Refills

Sculptable consistency – available in syringes (1x 3 g) or Cavifils (10x 0.2 g)	
IPS Empress Direct	Dentin A1, A2, A3, A3.5, A4, B1, B2, C3, D2, IVA5, IVA6, Bleach L Dentin, Bleach XL Dentin Enamel A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, D2, D3, Bleach L Enamel, Bleach XL Enamel Translucent Trans20, Trans30, Trans Opal
Flowable consistency – available in syringes (1x 1.8 g) with 5 tips each	
IPS Empress Direct Effect	 Trans Opal
IPS Empress Direct Opaque	 Opaque
Effect shades – available in syringes (1x 1 g) with 5 tips each	
IPS Empress Direct Color	white, honey, blue, ochre, brown, grey 

Assortment

IPS Empress Direct Syringe Kit	
2x 3 g	IPS Empress Direct Dentin (A2, A3)
3x 3 g	IPS Empress Direct Enamel (A1, A2, A3)
1x 3 g	IPS Empress Direct Translucent (Trans30)



SCAN NOW
to see tips and tricks
from Dr Eduardo Mahn



[4] Under optimum light conditions.

Direct restorative procedures for efficient esthetics

Harness the power of our coordinated products for direct restorative procedures to create high-quality esthetic restorations efficiently.



Isolate

Comfortable relative isolation with OptraGate



Bond

Efficient bonding with the Adhese Universal VivaPen



Restore

Highly esthetic fillings placed with IPS Empress Direct



Contour

Effortless contouring with OptraSculpt



Cure

Powerful performance with Bluephase PowerCure



Polish

Shiny surfaces with OptraGloss



Protect

Effective prevention with Fluor Protector S



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