

Achieve  
high-quality esthetics.  
Maximize efficiency.

## Direct Restoratives

Our solution  
for efficient esthetics



# Achieve high-quality esthetics. Maximize efficiency.

Maximize the efficiency of your workflow and give your patients a beautiful smile – with our modern product portfolio for direct restorative treatments.

Esthetics

Unlock natural esthetics and effortless anatomical contouring in the anterior and posterior region with our products for direct restorative treatments.

Quality

We prioritize high quality – from isolation to protection against dental caries and erosion. Reliable polymerization, integrated desensitizing effect<sup>[1]</sup> and low susceptibility to fractures<sup>[2]</sup> are just a few of the advantages that our high-quality products offer.

Efficiency

Increase the efficiency of your posterior treatment process by up to 51%. Short curing times starting from 5 seconds<sup>[3]</sup> and composite layer thicknesses of up to 4 mm<sup>[4]</sup> enable you to do just that.

Save up to **51% on time**



Find out more about our solution for direct restorative procedures:  
[www.ivoclar.com/direct-restoratives-n2](http://www.ivoclar.com/direct-restoratives-n2)

[1] The integrated desensitizing effect of Tetric N-Bond Universal minimizes the risk of postoperative sensitivities. See: Platt J. A. et al., Dentaleconomics, 2016, p. 71-72.  
[2] The composites of the N2-Line feature a high flexural strength according to ISO 4049.  
[3] Tetric N-Bond Universal, Tetric N-PowerFlow 2 and Tetric N-PowerFill 2 can each be cured in 5 seconds from the occlusal aspect when creating Class I and II restorations in permanent posterior teeth. Light-cure with a light intensity of 2,200 mW/cm².  
[4] Only in conjunction with Tetric N-PowerFill 2 and Tetric N-PowerFlow 2.

# Isolate with OptraGate®

Moisture control made easy

Our latex-free lip and cheek retractor provides generous access to the treatment field and ensures relative isolation. So, you can relax and focus on providing your service efficiently in numerous clinical situations.

## Enjoy a relaxed and efficient workflow with OptraGate.

- ✓ Effective and quick relative isolation
- ✓ Easy to place due to three-dimensional flexibility and soft, elastic material
- ✓ Ensures an easily accessible, manageable treatment field in various clinical situations

## Your patients can relax, too.

- ✓ Assists patients in keeping their mouth open
- ✓ Good compatibility
- ✓ Comfortable to wear due to the soft elastic material and the possibility to choose from various sizes

## A good fit matters:

Available in various sizes for adults and children



Used in over

# 200

million treatments to date<sup>[5]</sup>



# Bond with Tetric® N-Bond Universal

Top quality in the efficient VivaPen

Tetric N-Bond Universal is our single-component, light-curing adhesive for direct and indirect bonding procedures<sup>[6]</sup> and all etching protocols. The innovative VivaPen allows you to apply the adhesive efficiently directly in the patient's mouth.

4x  
Up to more applications<sup>[9,10]</sup>

- ✓ Universal application for direct and indirect restorations and all etching protocols<sup>[6]</sup>
- ✓ Consistently high bond strength (> 25 MPa) on dry and moist dentin
- ✓ Integrated desensitizing effect for a minimized risk of postoperative sensitivities<sup>[8]</sup>
- ✓ Efficient VivaPen: provides up to four times more applications per ml compared with conventional bottles<sup>[9]</sup>

Fast and controlled intraoral application<sup>[7]</sup>

Bendable tip for optimum application in any tooth region and any cavity

Exchangeable cannula with a flocked tip

Click & bond: accurate dispensing due to the precise and easy click mechanism

Unobstructed view of the operating field during application

Fill-level indicator: up to 187 single-tooth applications are possible with 1 VivaPen.<sup>[9]</sup>

[6] Except in cases where sufficient exposure to curing light cannot be ensured (e.g. cementation of endodontic posts)  
[7] A protective sleeve must be used in intraoral procedures.  
[8] Platt J. A. et al., Dentaleconomics, 2016, p. 71-72  
[9] Berndt & Partner, VivaPen Benchmarking Study, Study Report, April 2022  
[10] Per ml of content in the pen compared to conventional bottles

# Restore with Tetric® N2-Line

The efficient solution for all cavity classes<sup>[11]</sup>

Tetric N2-Line consists of four coordinated composite resins in various consistencies and shades that you can use in combination. They bring proven quality together with modern technologies.

## Universal composites Tetric N-Ceram 2 and Tetric N-Flow 2 for the anterior and posterior region

- ✓ Natural shade blend due to the distinctive chameleon effect
- ✓ Very good handling characteristics with the sculptable Tetric N-Ceram 2
- ✓ Precise application with the flowable Tetric N-Flow 2
- ✓ Short curing times starting from 5 seconds

## 4-mm composites Tetric N-PowerFlow 2 and Tetric N-PowerFill 2 for the posterior region

- ✓ Natural esthetics thanks to Ivocerin and Aessencio technology
- ✓ Same performance and esthetic appearance as conventional composites
- ✓ Low susceptibility to application-induced air entrapments
- ✓ Placement in 4-mm increments for an efficient treatment process and time savings of up to 51%
- ✓ Short curing times starting from 5 seconds

More than

# 160

million fillings placed throughout the world to date<sup>[12]</sup>



[11] Cavity classes I-V according to G. V. Black  
[12] Based on internal global sales figures

# Contour with OptraSculpt®

Smooth shaping due to non-stick effect

Shape your composite restorations easily and effortlessly using our contouring instruments OptraSculpt and OptraSculpt Pad. Specially designed attachments and non-stick properties allow for easy adaptation.

- ✓ Various attachment shapes for contouring anatomical features
- ✓ Minimal risk of application-induced air entrapments
- ✓ Time-saving, mark-free contouring thanks to the non-stick effect
- ✓ Mark-free contouring minimizes the effort in finishing and polishing
- ✓ Reduced stickiness of the composite versus the instrument

**OptraSculpt**  
for posterior restorations



**Ball**  
Adapting the material

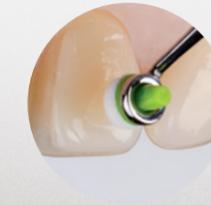


**Pointed tip**  
Shaping the fissures



**Chisel**  
Contouring the proximal margins

**OptraSculpt Pad**  
for anterior restorations



**4-mm pad**  
Direct veneering



**6-mm pad**  
Direct veneering and contouring of extensive reconstructions



Reference scales for recording the width and axis alignment of the upper anterior teeth

# Cure with the Bluephase® N G4

Short curing times starting from 5 seconds

Bluephase N G4 supports time-efficient and therefore economically effective work routines with a light intensity of up to 2,200 mW/cm<sup>2</sup>.

Overview of exposure times with Bluephase N G4<sup>[13]</sup>

Light intensity	Exposure time
500 – 900 mW/cm <sup>2</sup>	20 seconds
1,000 – 1,300 mW/cm <sup>2</sup>	10 seconds
1,800 – 2,200 mW/cm <sup>2</sup>	5 seconds

For permanent teeth only.  
For deciduous teeth please see Instructions for Use.

Homogeneous light emission performance

The 5s curing program enables reliable curing of Tetric N2-Line composites in just 5 seconds<sup>[14]</sup>.

Contactless battery charging

- ✓ Reliable light-curing process
- ✓ Suitable for all types of light-cured dental materials
- ✓ Provides guidance on curing programs and exposure times
- ✓ Short exposure times, starting from 5 seconds
- ✓ Additional PreCure program for the removal of excess cement

With the backlit display, you always know which light-curing program and exposure time you are using.

<sup>[13]</sup> Detailed information about the exposure times can be found in the respective Instructions for Use of the material being used.  
<sup>[14]</sup> Only suitable for Class I & II restorations in permanent posterior teeth, light-cured from the occlusal aspect.

# Polish with OptraGloss®

High-gloss polishing in a single step

Polish composite restorations to a high gloss in a single step using OptraGloss, our universal diamond polisher.

- ✓ Beautiful natural gloss in only one step
- ✓ No additional polishing paste needed
- ✓ High diamond content of up to 70 wt%<sup>[16]</sup> results in smooth restoration surfaces that help minimize plaque build-up

Available in four shapes:



Cup



Flame



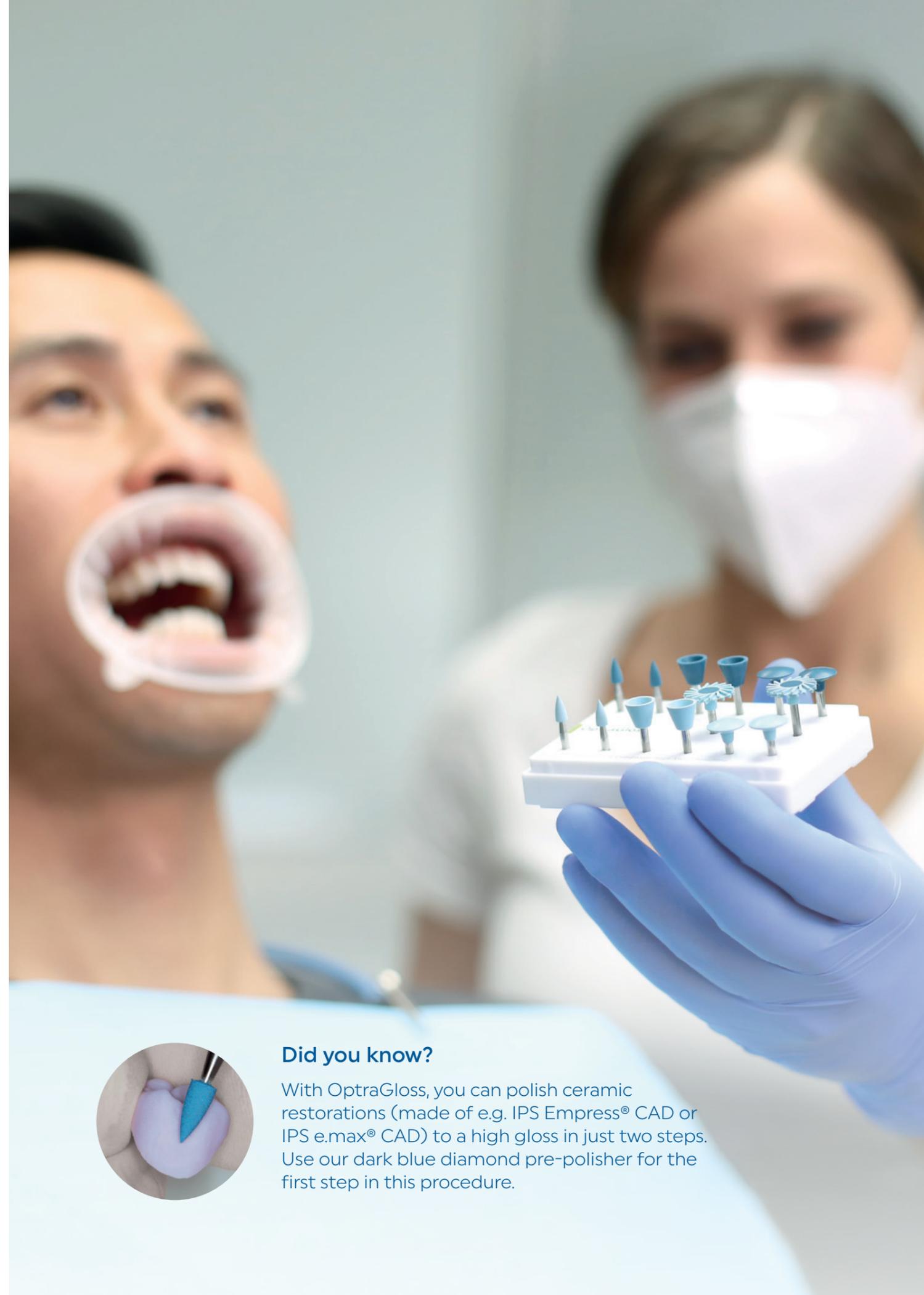
Lens



Spiral wheel

Especially popular among our customers

[16] Morgan M., Pract Proced Aesthet Dent, 2004, 16, p. 212



## Did you know?

With OptraGloss, you can polish ceramic restorations (made of e.g. IPS Empress® CAD or IPS e.max® CAD) to a high gloss in just two steps. Use our dark blue diamond pre-polisher for the first step in this procedure.

# Protect with Fluor Protector S

Protection against dental caries and erosion<sup>[17-20]</sup>

Protect the smiles of your patients. Fluor Protector S is a protective varnish applied to strengthen the dental enamel directly and effectively with fluoride and build up a long-lasting fluoride depot.<sup>[21]</sup>

Low during application –  
high after setting

Low fluoride concentration (7,700 ppm) during application, high fluoride concentration (up to 29,000 ppm) after setting.<sup>[24]</sup>

**Ready for  
use –  
no mixing  
required**

- ✓ Colourless for optimal esthetics
- ✓ Increases the acid resistance of enamel and dentin<sup>[17, 18, 22]</sup>
- ✓ Controlled topical fluoride application for better dosing management
- ✓ Suitable for the treatment of preschool children



[17] Latifi-Xhemajli B et al., Community Dental Health 2019, 36, p. 190–194

[18] Turska-Szybka A et al., Caries Res. 2021, 55, p. 137–143

[19] Sobierajska M, Thesis "In vitro Role of Ammonium Fluoride on Enamel Erosion and Attrition", King's College London Dental Institute, London, July 2021

[20] Idris H, Thesis "Role of Ammonium Fluoride on dentine erosion and attrition in vitro", King's College London, Faculty of Dentistry, Oral and Craniofacial Sciences, July 2021

[21] Bolis C et al., Oral Health Prev. Dent. 2015, 13, p. 545–556. King's College London Dental Institute, London, July 2021

[22] Albagami H, Thesis "Evaluating the Protective Effect of Fluoride Varnishes on Enamel Subjected to Demineralization and Tooth-Brush Abrasion", Nova Southeastern University, 2018

# Efficient treatment with 4-mm composites

Tetric N-PowerFill 2 and Tetric N-PowerFlow 2 increase the efficiency of your workflow – whilst maintaining your customary high quality and esthetic standard.

## Streamlined treatment protocol

Since you can apply Tetric N-PowerFill 2 and Tetric N-PowerFlow 2 in increments of up to 4 mm, you need to use fewer layers compared to conventional filling techniques. In cavities of up to 4 mm in depth, one layer will be adequate. Fewer increments means having to switch less between the composite, the modelling instrument and the light-curing device – whilst achieving the same quality of treatment results as with conventional layering techniques.

Reduce your treatment time in the posterior region by up to 51% using our 4-mm composites and complementary products from Ivoclar<sup>[23]</sup>.

Fewer steps thanks to 4-mm increments



From conventional layering to the bulk-filling technique

Up to **51%** time savings



[23] Applies only when light-curing Class I or II restorations in permanent posterior teeth from the occlusal aspect

# Direct restoratives for efficient esthetics

With the Efficient Esthetics portfolio we aim to help you enhance your efficiency in the fabrication of esthetic restorations. Efficient treatment procedure – from preparation to restoration care.



## Isolate

Comfortable relative isolation with OptraGate



## Bond

Efficient bonding with Tetric N-Bond Universal



## Restore

Tetric N2-Line – the efficient solution for all cavities



## Contour

Easy adaptation of materials with OptraSculpt



## Cure

High curing performance delivered by Bluephase N G4



## Polish

Lustrous surfaces produced with OptraGloss



## Protect

Effective prevention with Fluor Protector S

The range of available products may vary from country to country.

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