

Direct Restoratives



When **simplicity**
meets **esthetics**

Efficient
Esthetics

ivoclar
vivadent®

Efficient Esthetics

Products that are optimally coordinated for direct restorative procedures enhance the efficiency with which high-quality esthetic restorations can be achieved.

**Achieve high-quality esthetics.
Maximize efficiency.**



Up to
51%
time savings^[1]



OptraGate®

Moisture control made easy

OptraGate® is a latex-free lip and cheek retractor. The aid's unique flexibility and elasticity make it comfortable to wear and assist patients to keep their mouth open.

Effective isolation
due to easier access

Focused and **efficient**
treatment procedures



Used in over

200

million treatments to date*



Tetric® N-Bond Universal

Universal adhesion with advanced delivery

Tetric® N-Bond Universal is a light-curing, single-component adhesive for direct and indirect bonding procedures and all etching protocols^[2]. It is the only universal bonding agent available in the efficient VivaPen® delivery form.

Universally suitable for direct and indirect bonding procedures and all etching protocols^[4]

Efficient VivaPen® delivery form provides up to 4 times more applications per ml compared to conventional bottles^[5,6]

Integrated desensitizing effect for minimizing the risk of postoperative sensitivity^[13]

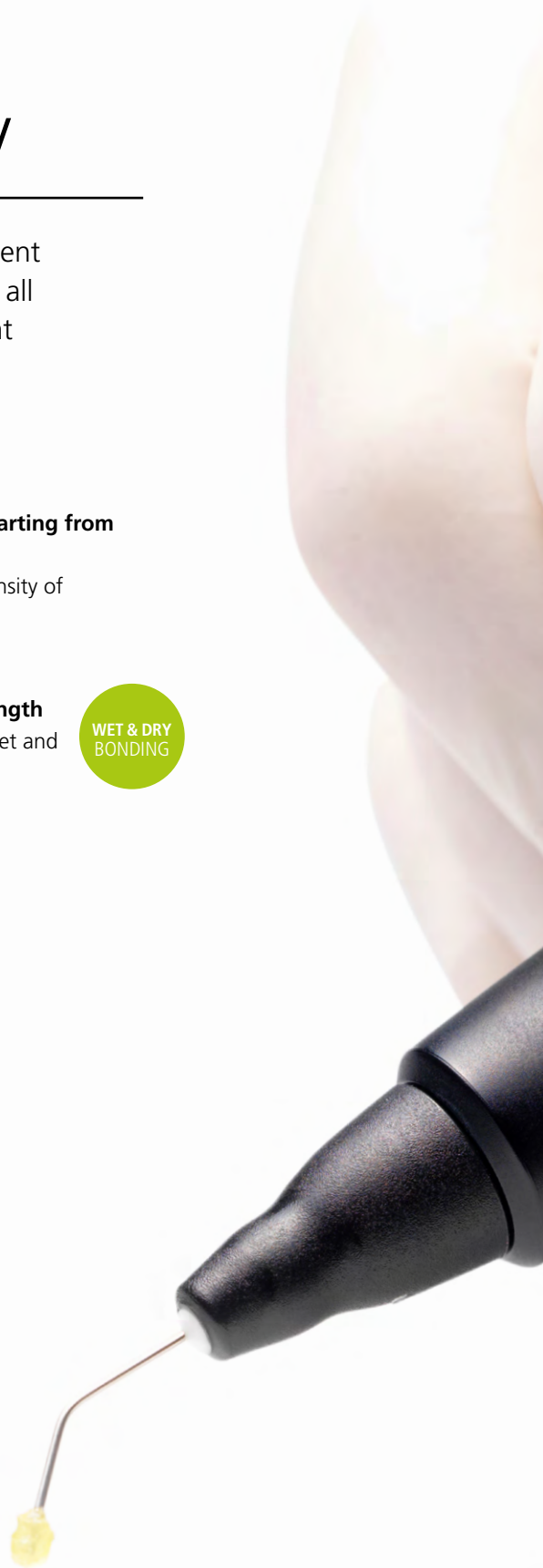
Desensitizing
EFFECT

Curing times starting from 5 seconds
(with a light intensity of 2,000 mW/cm²)

High bond strength
(> 25 MPa) on wet and dry dentin

WET & DRY
BONDING

Fast and convenient





single-tooth applications^[3]

Universal application
for direct and indirect restorations^[2]

Tetric® N-Line

The solution for all cavities^[4]

The Tetric line of products offers four carefully matched composite materials for direct restorative treatments.

Tetric® N-Ceram is a sculptable universal composite and **Tetric N-Flow®** is a flowable universal composite for anterior and posterior restorations.

Tetric® N-Ceram Bulk Fill is a sculptable 4-mm composite for posterior restorations and **Tetric® N-Flow Bulk Fill** is its flowable counterpart.

Chameleon effect ensures
a natural shade blend

True-to-nature esthetics
for posterior restorations

Time savings of
up to **51%**^[1]



More than **160**
million fillings placed*



*Based on sales figures

IPS Empress® Direct

The composite for highly esthetic fillings

IPS Empress® Direct is a highly esthetic composite for filling cavities in anterior and posterior teeth. It is available in five different translucency levels. Therefore, different types of anatomical features can be faithfully reproduced.

Lifelike shades for natural-looking restorations

Easy application of shade nuances with **Trans Opal**

Long-lasting esthetic results

Convenient handling for sophisticated requirements

Clever mastery of demanding restorations





More than

25

million restorations
placed worldwide*

OptraSculpt®

Time-saving contouring due to anti-stick properties

OptraSculpt® and OptraSculpt Pad are contouring instruments suitable for the non-stick shaping and contouring of surfaces. They are specially designed to shape unpolymerized sculptable composites in direct restorative treatments.

Outstanding esthetics:

no instrument marks on
the restoration surface

Easy contouring

due to non-stick effect

Reduced effort

in finishing and polishing



Only **4** shapes
for the anterior and
posterior region



Reliable curing, short exposures

The innovative Bluephase® N G4 is designed for the intraoral polymerization of light-curing dental materials.


Reliable curing performance for direct and indirect restorations

Short curing times starting from 5 seconds due to high light intensities*

Suitable for all current light-curing materials due to Polywave LED

Wide 10-mm light guide for time-saving single-exposure curing procedures

Additional PreCure program for the removal of excess cement



Contactless battery charging

Homogeneous
light emission performance

Backlit display
for optimized hygiene

Ergonomically designed to fit
comfortably in every hand

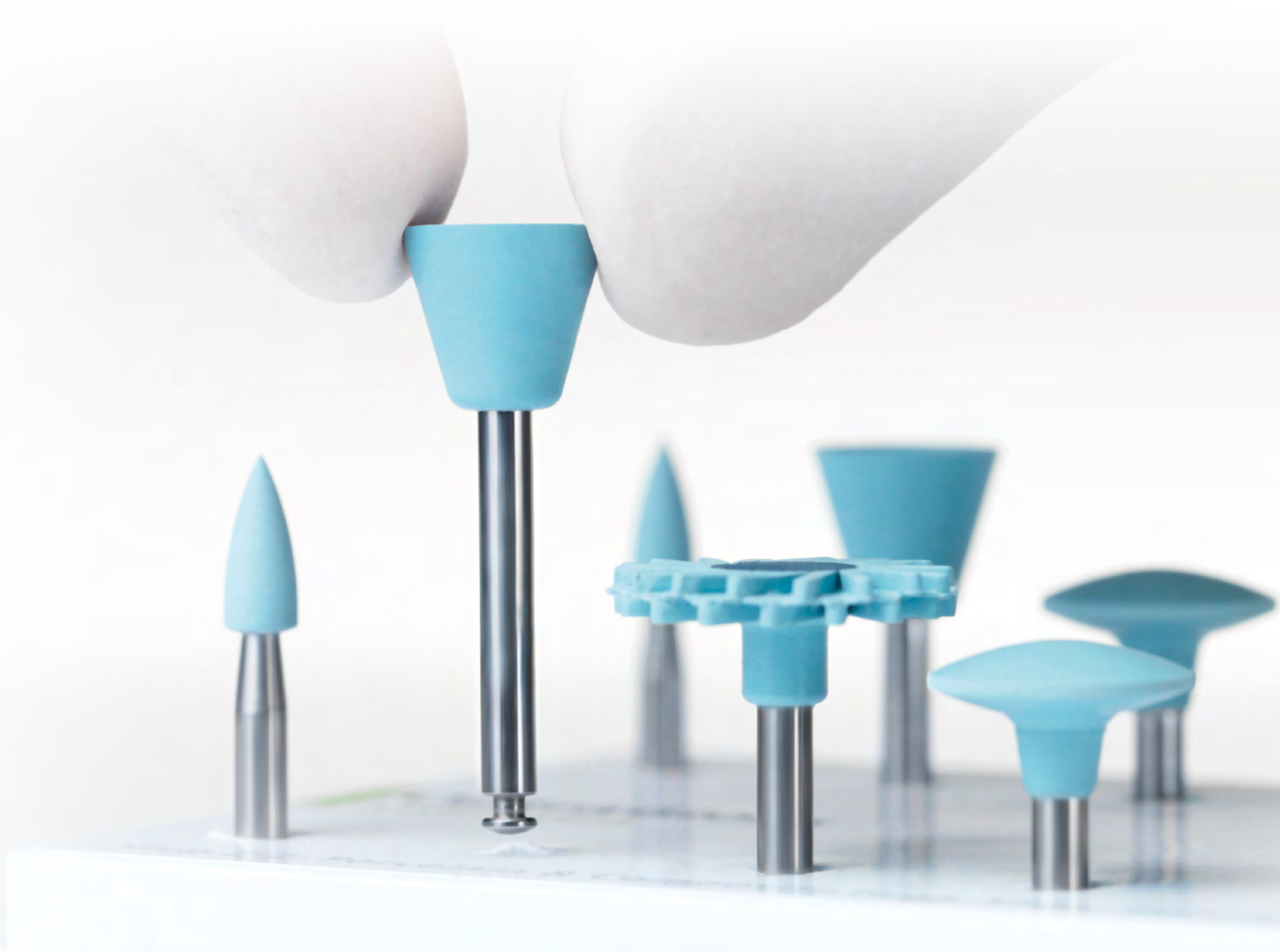
5-second curing times*

* only in conjunction with the Bluephase N G4

OptraGloss®

Efficient polishing of composite resin restorations

OptraGloss® are universal polishers coated with micro-fine diamond particles. The high-gloss polishers are ideally suited for the polishing of all popular composite resin fillings.



OptraGloss® polishers are designed to meet the polishing needs of ceramic materials.

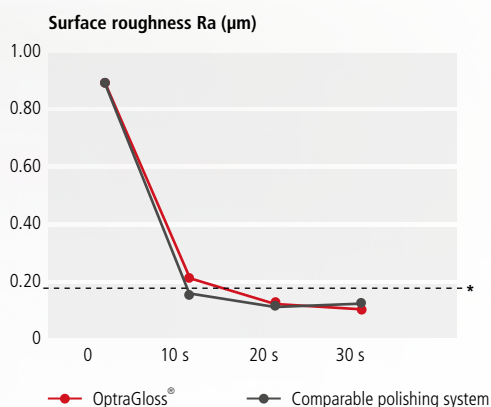
- Particularly smooth and shiny restoration surfaces
- No additional polishing paste needed
- High gloss of various ceramic surfaces in two steps (e.g. IPS Empress® CAD and IPS e.max® CAD)^[11]

IDEAL FOR
IPS **e.max®**

High lustre in just one step

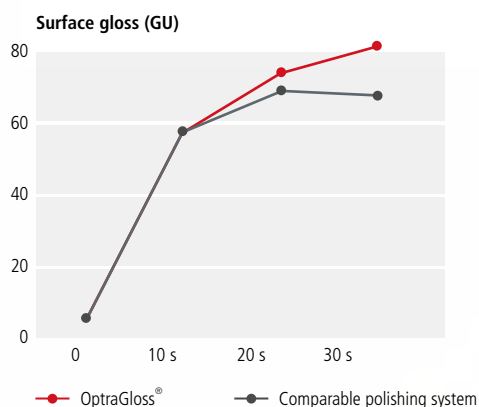
OptraGloss imparts a natural-looking, beautiful high lustre to composite resin fillings. Due to a high diamond content of up to 70%wt, very good polishing results are ensured.

Smooth surfaces that minimize plaque retention^[5]

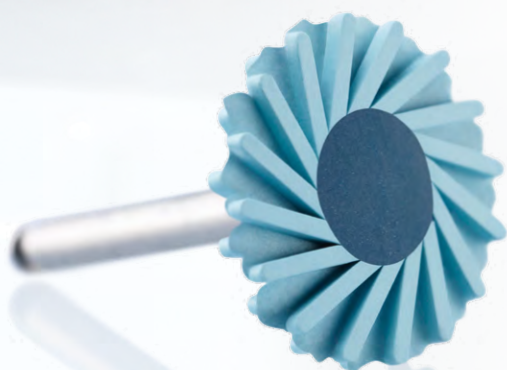


* Clinically relevant threshold value (Bollen, C.M. et al., 1997)

Only a few seconds are needed to achieve an excellent surface gloss in one polishing step



Sources: In-vitro tests involving competitive polishing systems; composites: Tetric EvoCeram[®] (Dr S. Heintze, Ivoclar Vivadent, Schaan, 2018)



Spiral Wheel shape

One instrument for every
tooth surface

Efficient esthetics – even better together

The efficiency of the treatment procedure can be enhanced even further by combining the Tetric N-Line with other state-of-the-art products from Ivoclar.

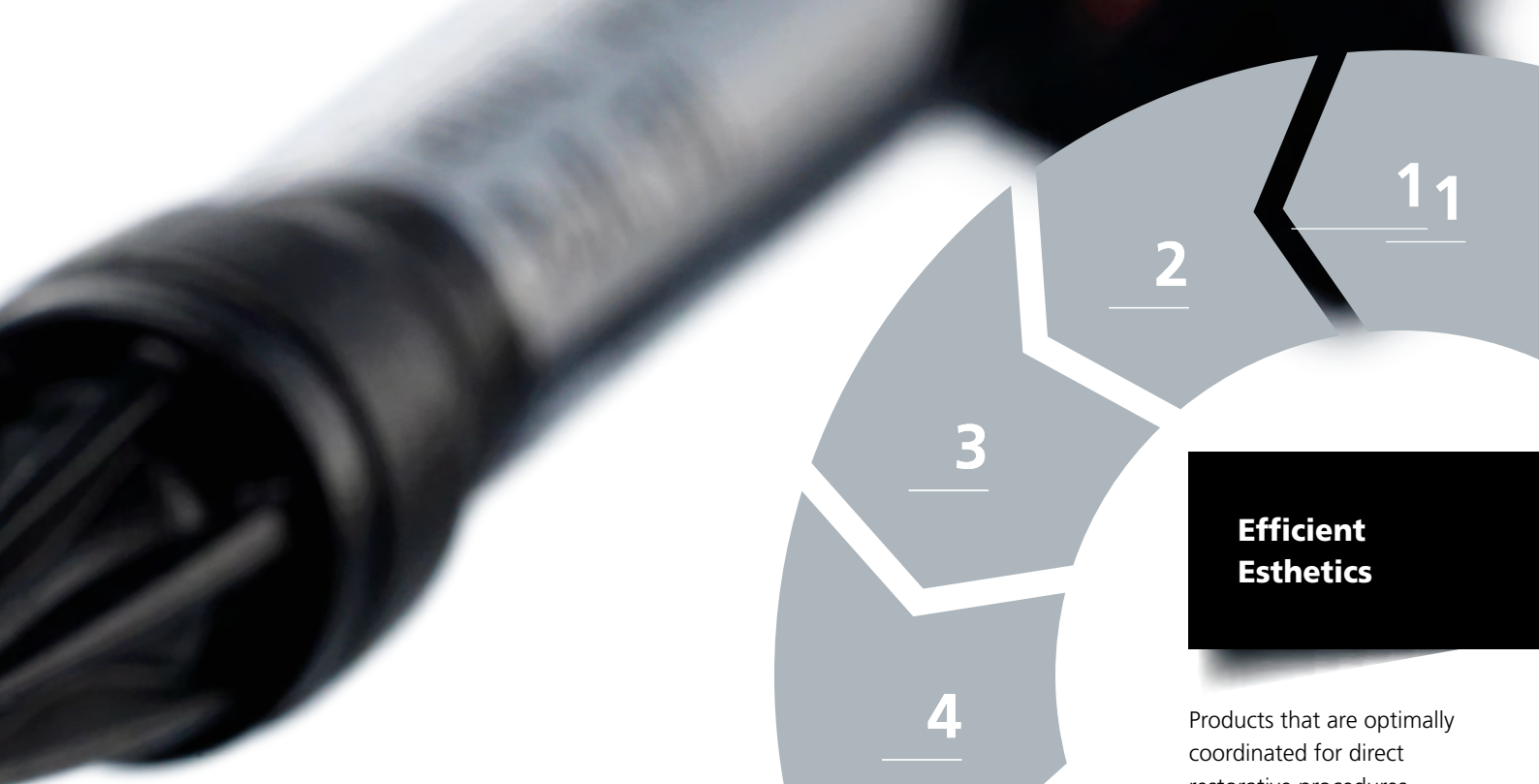
// The Tetric N Line of products offers us endless possibilities for all our restorative needs. From isolation up to the maintenance phase – every product provided in the Direct Restorative workflow comes as a bundle of easy solutions and represents a complete end-to-end solution for me. Simply put: proven products that help us achieve predictable success. //

Dr Mohan Bhuvaneshwaran
India, 2021



Sources:

- [1] Only suitable for Class I & II restorations in posterior teeth light-cured from the occlusal aspect.
- [2] Except in cases where sufficient exposure to the curing light cannot be ensured (e.g. adhesive cementation of endodontic posts)
- [3] Berndt & Partner, VivaPen Benchmarking Study, Study Report, April 2022.
- [4] Cavity Classes I-V according to G.V. Black
- [5] Morgan M. Finishing and polishing of direct posterior resin restorations. Pract Proced Aesthet Dent 2004;16:p 212, paragraph 2-3
- [6] Latifi-Xhemajli B et al., Community Dental Health 2019, 36, p. 190–194.
- [7] Turska-Szybka A et al., Caries Res. 2021, 55, p. 137–143.
- [8] Sobierajska M, Thesis "In vitro Role of Ammonium Fluoride on Enamel Erosion and Attrition", King's College London Dental Institute, London, July 2021.
- [9] 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.
- [10] Bolis C et al., Oral Health Prev. Dent. 2015, 13, p. 545-556.



Efficient Esthetics

Products that are optimally coordinated for direct restorative procedures enhance the efficiency with which high-quality esthetic restorations can be achieved.



1 Isolate

Effective isolation^[4] with **OptraGate**[®] and **OptraDam**



2 Bond

Direct intraoral application of **Tetric[®] N-Bond Universal** with the efficient VivaPen[®]



3 Restore

Tetric[®] N-Line – the solution for all cavities



4 Contour

Time-saving contouring with **OptraSculpt[®]** due to its anti-stick effect



5 Cure

Reliable and fast curing with the **Bluephase[®]** curing units



6 Polish

High-gloss polishing in only one step with **OptraGloss[®]**



7 Protect

Increased protection with immediate fluoridation with **Fluor Protector S^[6-10]**



Ivoclar Vivadent AG
Bendererstr. 2
9494 Schaan
Liechtenstein
Tel. +423 235 35 35
Fax +423 235 33 60
www.ivoclar.com

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ivoclar
vivadent®