

The efficient solution for all cavities

Tetric[®]
N2-Line

The composite line for
anterior and posterior
restorations

The efficient solution for all cavities^[1]

Tetric® N2-Line is comprised of four coordinated composites for direct restorative treatment. It combines tried-and-tested quality with modern technology.

Four composite materials are all you need for an efficient restorative workflow for all cavity classes^[1].



Esthetics

True-to-nature esthetics

- ✓ Tetric N-Ceram 2 and Tetric N-Flow 2 allow you to create natural-looking restorations in **anterior and posterior teeth**.
- ✓ The 4-mm composites Tetric N-PowerFlow 2 and Tetric N-Power-Fill 2 provide true-to-nature esthetics in the **posterior region**.

Quality

160 million fillings^[2]

- ✓ Tetric N2-Line offers you **tried-and-tested quality** based on long-standing expertise.
- ✓ The composites are characterized by their good **adaptability** and **durability**.
- ✓ Due to their high **radiopacity**, the materials are clearly visible on X-rays.

Efficiency

Up to 51% time savings^[3]

- ✓ All different consistency and shade variants of the Tetric N2-Line composites **are optimally coordinated with each other** and enable successful processing and application.
- ✓ They are **easy to handle** and achieve a reliable depth of cure **in short exposure times starting from 5 seconds**.
- ✓ The 4-mm composites allow for **time savings of up to 51%**^[3] when used with complementary products from Ivoclar.

[1] Cavity classes I-V according to G.V. Black

[2] Based on worldwide sales figures for the Tetric N product line

[3] Only suitable for Class I & II restorations in posterior teeth light-cured from the occlusal aspect.

Tetric N-Ceram 2 for esthetic results

Tetric N-Ceram 2 is a sculptable universal composite for anterior and posterior restorations.

Because of the material's pronounced chameleon effect and very good handling properties, it is particularly suitable for rebuilding lost tooth structure in the highly visible anterior region. In most cases, you will need to apply only one shade-matched material to achieve natural-looking esthetics.



How does natural shade blend work?

As a result of the special monomer and filler blend of our universal composites, the materials are capable of adapting their light-optical properties to those of the surrounding tooth structure.

Esthetics – Quality – Efficiency

- ✓ Natural shade blend due to the pronounced chameleon effect
- ✓ Universally applicable enamel shades for small defects and direct veneers
- ✓ Dentin shades showing low translucency for restoring large defects and fulfilling high esthetic expectations
- ✓ Low susceptibility to fracture due to high flexural strength^[4]
- ✓ Very good handling properties: Easy to contour as a result of low stickiness, good brushability and creamy consistency
- ✓ Efficient and easy polishing for a lustrous surface
- ✓ Easy to distinguish on X-rays due to high radiopacity



Universal enamel shade showing an enamel-like translucency of 11.5%

Optional dentin shades featuring a dentin-like translucency of 7% for large defects

[4] According to ISO 4049

Tetric N-Flow 2 for precise application

Tetric N-Flow 2 is a flowable universal composite for the anterior and posterior region.

Tetric N-Flow 2, like Tetric N-Ceram 2, is characterized by its pronounced chameleon effect along with its very good and easy handling properties. Tetric N-Flow 2 can be applied very precisely and is therefore suitable for creating minimally invasive anterior restorations and for use as a liner.

Anterior restoration



Preoperative situation: Secondary caries in tooth 12
Source: Dr Tatiana Repetto-Bauchage, Ivoclar Vivadent, Liechtenstein



Final situation

Esthetics – Quality – Efficiency

- ✓ Natural shade blend due to the pronounced chameleon effect
- ✓ Universally applicable enamel shades for small defects and direct veneers
- ✓ Dentin shades showing low translucency for concealing stains and for fulfilling demanding esthetic expectations
- ✓ Low susceptibility to fracture due to high flexural strength^[5]
- ✓ Thixotropic properties allow precise application
- ✓ Easy to distinguish on X-rays due to high radiopacity

[5] According to ISO 4049

Tetric N-Flow 2 has a thixotropic consistency

It is flowable under pressure, yet it remains stable when handled. Therefore, it enables you to work with high precision. This characteristic allows the product to adapt closely in narrow and thinly tapering areas. The product remains in place where it has been applied.

5-second
curing

Tetric N-PowerFlow 2 for fast volume replacement

Tetric N-PowerFlow 2 is a flowable 4-mm composite for true-to-nature esthetic results in the posterior region.

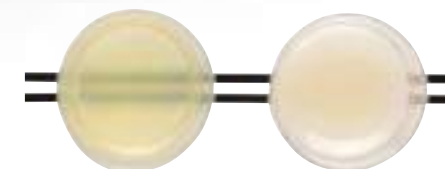
The material is characterized by low shrinkage, optimum flexural strength^[6] and reliable depth of cure. Therefore, the performance of Tetric N-PowerFlow 2 is just as impressive as that of conventional composites. As a result of its great adaptation to cavity walls, the product is suitable for repairing deep cavities. We recommend using Tetric N-PowerFlow 2 in combination with Tetric N-PowerFill 2. It can also be used together with Tetric N-Ceram 2.

Esthetics – Quality – Efficiency

- ✓ True-to-nature esthetics for posterior restorations due to Ivocerin^[7,8] and Aessencio technology
- ✓ Reliable curing of increments of up to 4 mm in thickness
- ✓ Low susceptibility to process-related air entrapment
- ✓ Great adaptation to cavity walls due to its self-levelling effect
- ✓ Effective combination with Tetric N-PowerFill 2 and Tetric N-Ceram 2

Patented light initiator Ivocerin^[7,8] and Aessencio technology

Ivocerin ensures a reliable depth of cure of composite layers of up to 4 mm. The Aessencio technology is responsible for gradually increasing the opacity of the initially translucent 4-mm composites during the light polymerization process. Ultimately, the materials attain the translucency levels of enamel and dentin and therefore assume a true-to-nature esthetic appearance.



Before and after polymerization

[6] According to ISO 4049

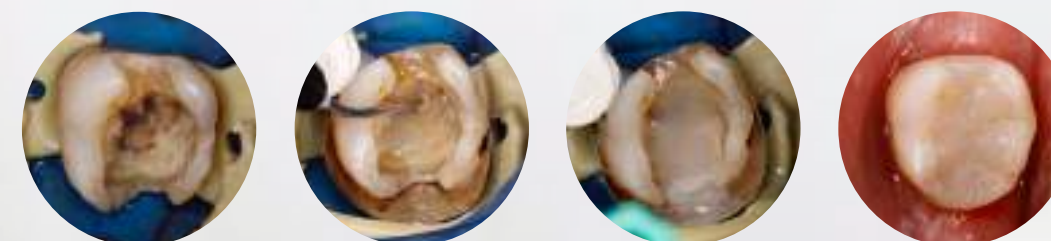
[7] Ganster B et al., New photocleavable structures, 4. Acylgermane-based photoinitiator for visible light-curing, Macromolecular Rapid Commun, 2008, 29, 57-62

[8] Ganster B et al., New photocleavable structures, Diacylgermane-based photoinitiator for visible light-curing, Macromolecules, 2008, 41, 2394-2400.

Tetric N-PowerFill 2 for easy contouring

Tetric N-PowerFill 2 is a sculptable 4-mm composite for true-to-nature esthetic results in the posterior region.

Similar to Tetric N-PowerFlow 2, Tetric N-PowerFill 2 is characterized by reliable depth of cure, low shrinkage and optimum flexural strength^[9]. In short, the performance of Tetric N-PowerFill 2 is just as impressive and esthetic^[10] as with conventional composites. The low stickiness of Tetric N-PowerFill 2 facilitates the creation of anatomical structures.



Preparation with pigmented dentin.

Applying 4-mm composite before polymerization.

Applying 4-mm composite after polymerization with dentin translucency.

Immediately after finishing. Tooth dehydrating.

Source: Dr Tatiana Repetto-Bauchhage, Ivoclar Vivadent, Liechtenstein

Posterior tooth restoration made with Tetric N2-products

The images speak for themselves. Even when they are applied in layers of up to 4 mm, N-PowerFlow 2 and Tetric N-PowerFill 2 are capable of achieving highly esthetic results in posterior teeth.

Esthetics – Quality – Efficiency

- ✓ True-to-nature esthetics for posterior restorations due to Ivocerin^[11,12] and Aessencio technology
- ✓ Reliable depth of cure of increments of up to 4 mm in thickness
- ✓ Low susceptibility to process-related air entrapments^[13]
- ✓ Easy creation of anatomical structures due to low stickiness
- ✓ Effective combination with Tetric N-PowerFlow 2



[9] According to ISO 4049

[10] In the posterior region

[11] Ganster B et al., New photocleavable structures, 4. Acylgermane-based photoinitiator for visible light curing, Macromolecular Rapid Commun. 2008, 29, 57-62.

[12] Ganster B et al., New photocleavable structures, Diacylgermane-based photo-initiator for visible light curing, Macromolecules 2008, 41, 2394-2400.

[13] Hirata R, Effect of sonic resin composite delivery on void formation assessed by micro-computed tomography, Operative Dentistry 2018, 43-2, 144-150, additional data on file.

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.

Up to
51%
time savings

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^[14].

Fewer steps thanks to 4-mm increments



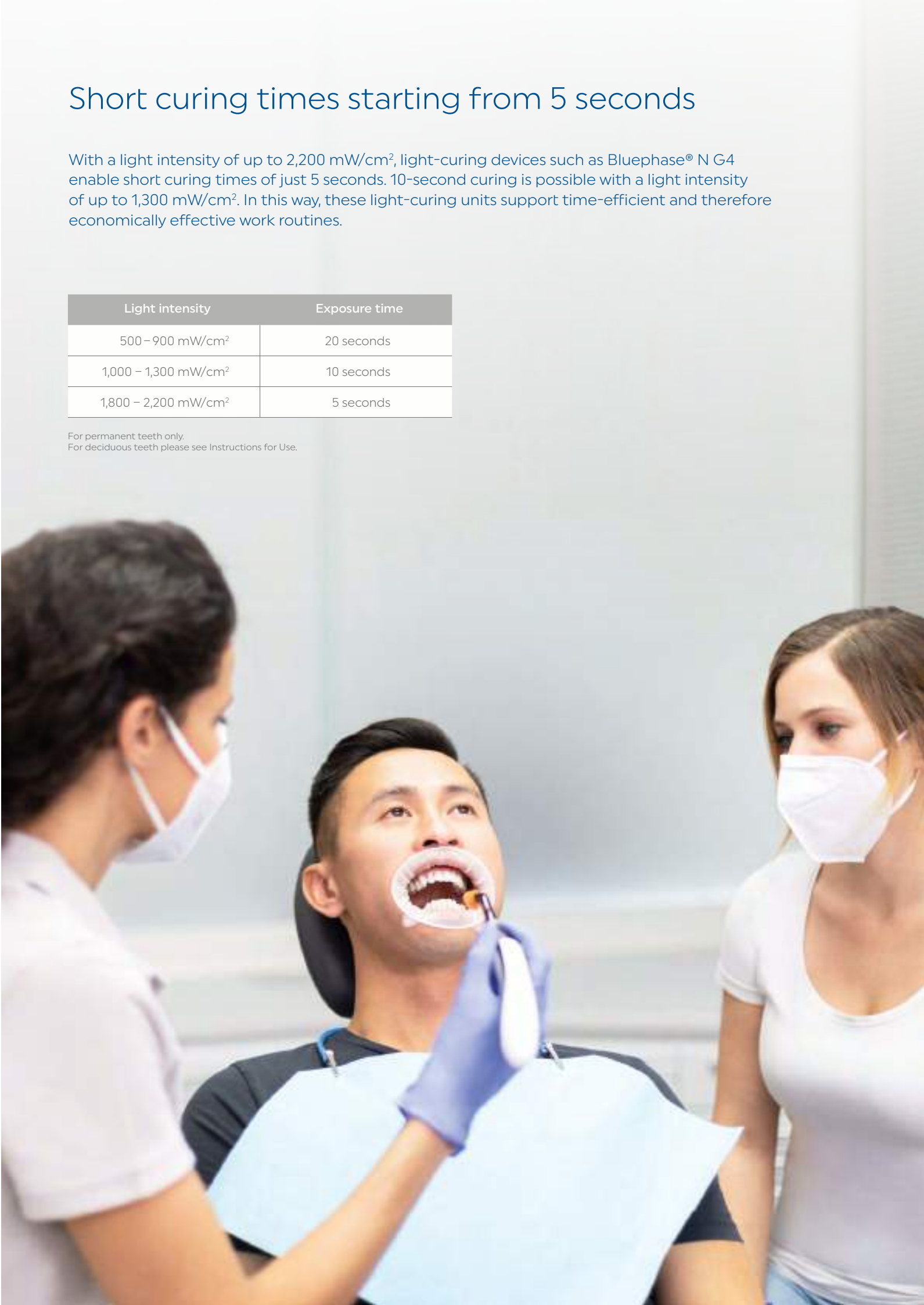
Short curing times starting from 5 seconds

With a light intensity of up to 2,200 mW/cm², light-curing devices such as Bluephase® N G4 enable short curing times of just 5 seconds. 10-second curing is possible with a light intensity of up to 1,300 mW/cm². In this way, these light-curing units support time-efficient and therefore economically effective work routines.

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

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

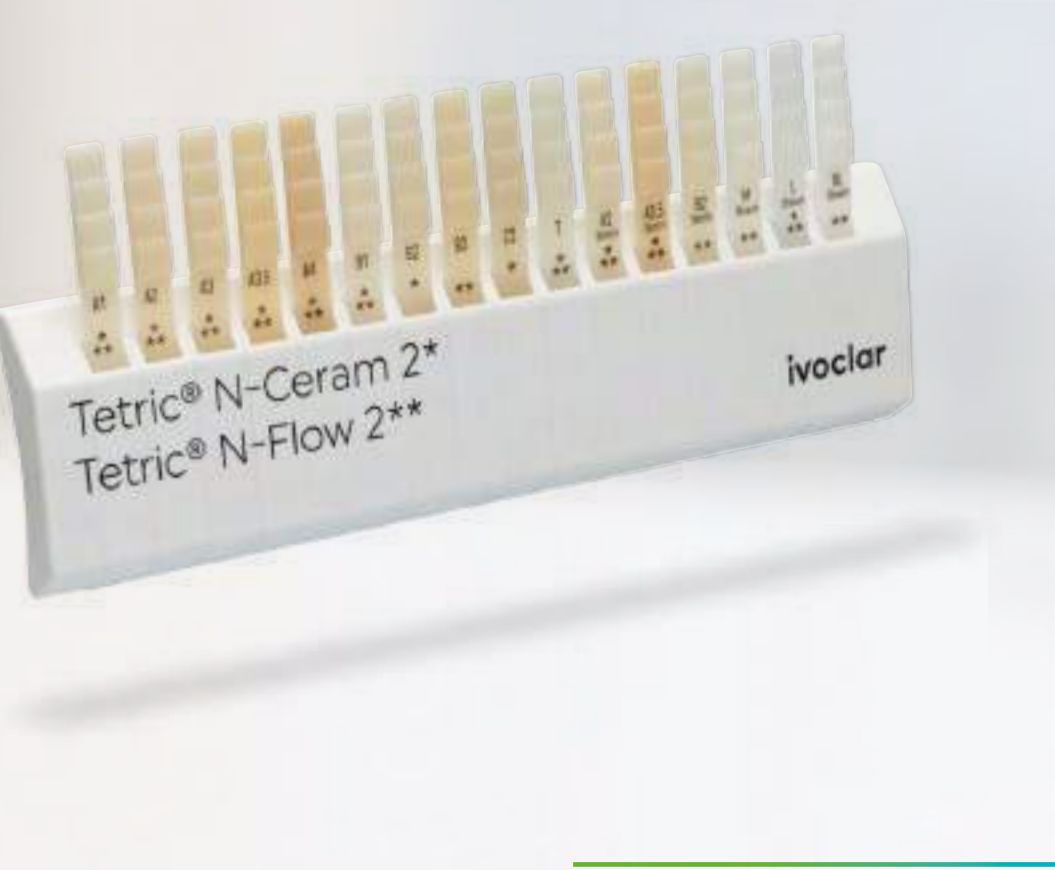
[14] Only suitable for Class I & II restorations in posterior teeth light-cured from the occlusal aspect.



Tetric N2-Line shade selection for esthetic restorations

The shade guide for Tetric N2-Line comprises the following universal shades:

Tetric N-Ceram 2	Tetric N-Flow 2	Tetric N-PowerFill 2	Tetric N-PowerFlow 2
A1, A2, A2 Dentin, A3, A3.5, A3.5 Dentin, A4, B1, B2, C2, T, Bleach L	A1, A2, A2 Dentin, A3, A3.5, A3.5 Dentin, A4, B1, B2 Dentin, B3, T, Bleach M, Bleach L, Bleach XL	^{iv} A, ^{iv} B, ^{iv} W	^{iv} A, ^{iv} B, ^{iv} W



Complement your workflow with our clinical accessories

OptraGate
Moisture control made easy – our unique latex-free lip and cheek retractor

OptraGloss
Lustrous surfaces in just one step – our efficient polishing instruments



OptraSculpt
For time-saving contouring and modulation of materials – our instruments with non-stick properties

Explore more!



You will find more information about our Tetric N2-Line products, including videos and additional documents on our website: ivoclar.com/tetric-n2-line

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