

**kuraray**

*Noritake*

**CLEARFIL MAJESTY™ ES Flow Universal**

**Strong.  
Universal.  
Flowable.**



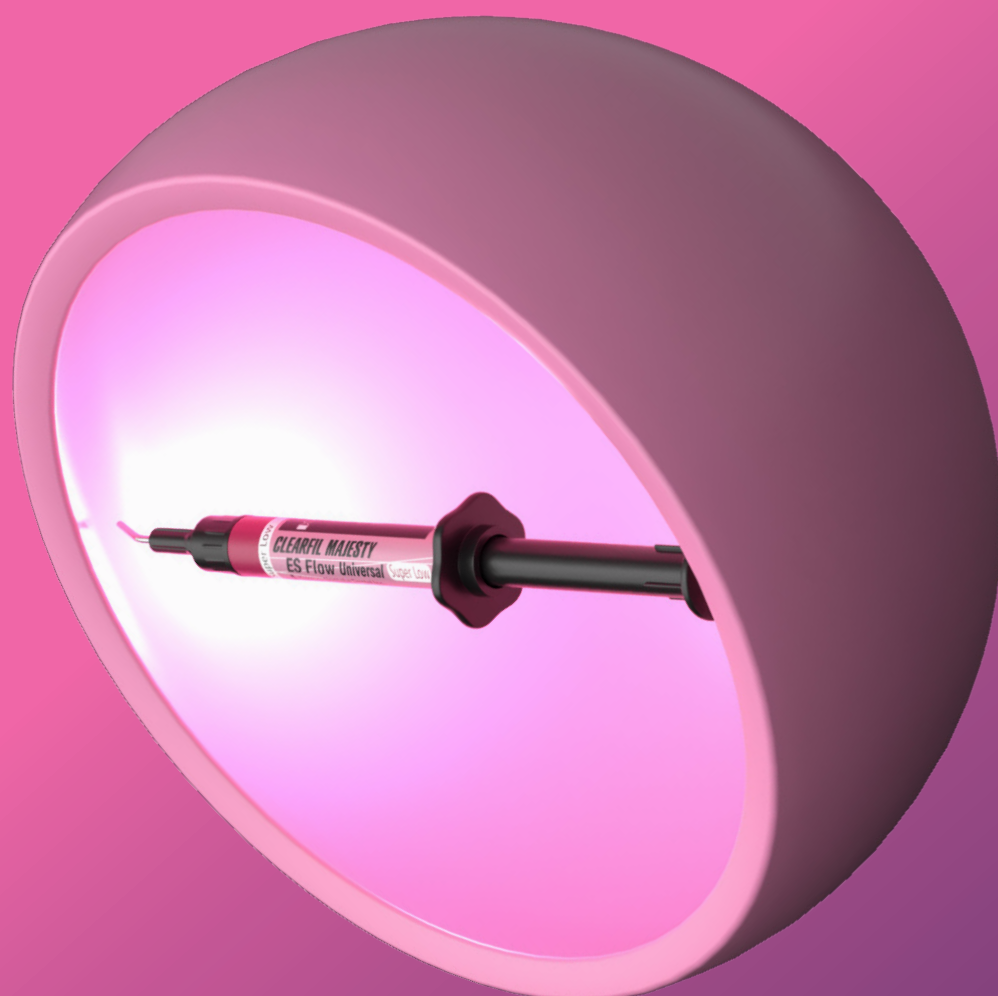
—  
Your new  
go-to composite



# Intuitive shade matching goes flowable

## CLEARFIL MAJESTY™ ES Flow Universal

This innovative flowable composite, available in two flowabilities, transforms shade matching into an effortless endeavor—no shade guide required! With just two complementary shades, U and UD, it seamlessly blends with the surrounding tooth structure, empowering you to create beautiful restorations with minimal effort. As it is as strong as many paste-type composites, it opens the door to a wide range of applications.



## 1 Shade

Covers all 16 VITA\* shades in all cavities except those lacking of a back wall and of shade B3 and darker

## 2 Flowabilities

Low and super low for a wide range of indications

## Impressive Strength

Sufficient for use even in stress-bearing posterior restorations

## Areas of application

CLEARFIL MAJESTY™ ES FLOW Universal

- Direct restorations for all cavity classes, cervical lesions (e.g. root surface caries, v-shape defects), tooth wear and tooth erosion
- Cavity base/liner
- Corrections of tooth position and shape
- Intraoral repairs of fractured restorations
- Cementation of ceramic and composite inlays, onlays and veneers with less than 2 mm thickness



SCAN FOR MORE INFORMATION ABOUT CLEARFIL MAJESTY™ ES Flow Universal



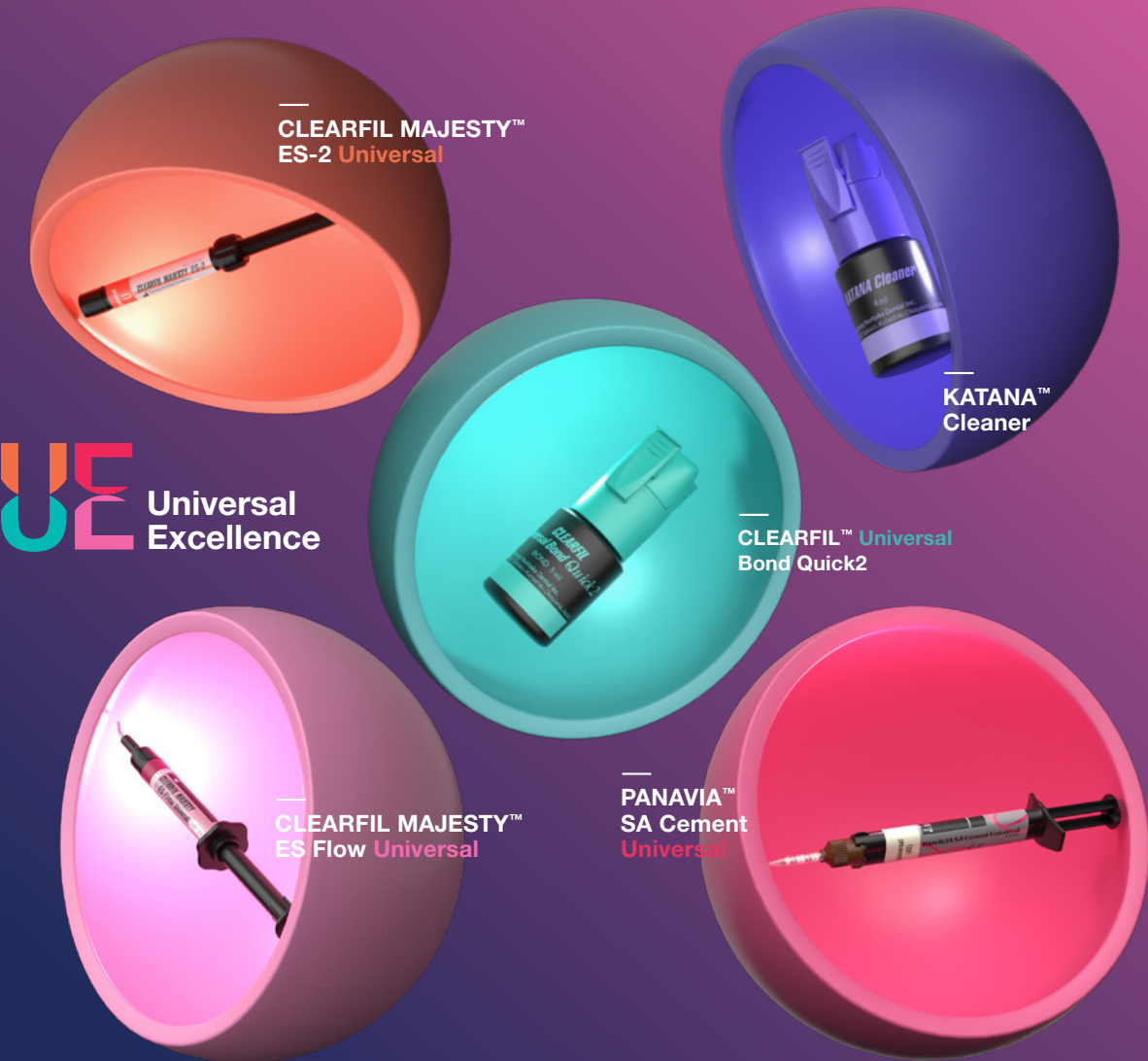
\*VITA is a trademark of VITA Zahnfabrik, Bad Sackingen, Germany



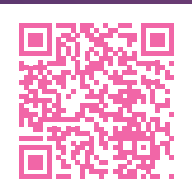
# Important part of the Universal Excellence portfolio

At Kuraray Noritake Dental Inc., we understand the demands of modern dental practices. Balancing complex procedures, tight schedules, and patient care is no easy task. That is why we have spent years refining our materials—so you can focus on what matters most: your patients. Our universal products simplify your workflow, offering you high-quality materials and tools that work seamlessly with your expertise.

CLEARFIL MAJESTY™ ES FLOW Universal is the latest resin-based addition to our universal portfolio. Being suitable for a wide range of applications within direct and indirect restorative workflows, it is a valuable complement to existing paste-type composites and resin cements.



SCAN FOR MORE INFORMATION ABOUT Universal Excellence



# Great mechanical properties

## CLEARFIL MAJESTY™ ES Flow Universal

### Low

- ✓ Flexural strength 151 MPa
- ✓ Compressive strength 373 MPa
- ✓ Filler load 75 wt% / 59 vol%
- ✓ Radiopacity 140 % Al

### Super Low

- ✓ Flexural strength 152 MPa
- ✓ Compressive strength 374 MPa
- ✓ Filler load 78 wt% / 60 vol%
- ✓ Radiopacity 150 % Al

Data source Kuraray Noritake Dental Inc.

# Shift in flowable composites

## From temporary fixes to permanent solutions

By integrating high filler loading (75, resp. 78 wt%) and achieving over 150 MPa flexural strength, CLEARFIL MAJESTY™ ES Flow Universal challenges the traditional view of flowable composites as merely temporary fixes. Instead, it positions itself as a permanent solution capable of delivering both aesthetic excellence and structural reliability.

Simplified shade concept	→ Fewer work steps and reduced hassle of inventory management
Two flowability options with excellent handling	→ Non-sticky composite for a wide range of indications offering easy dispensing and sculpting
High mechanical strength	→ Even suitable for stress-bearing areas (occlusal surfaces)
Easy polishing and long-lasting gloss	→ Time-saving procedure and high aesthetics
Clever syringe design	→ Reduces the risk of air bubbles, no dripping, easy modelling with syringe tip



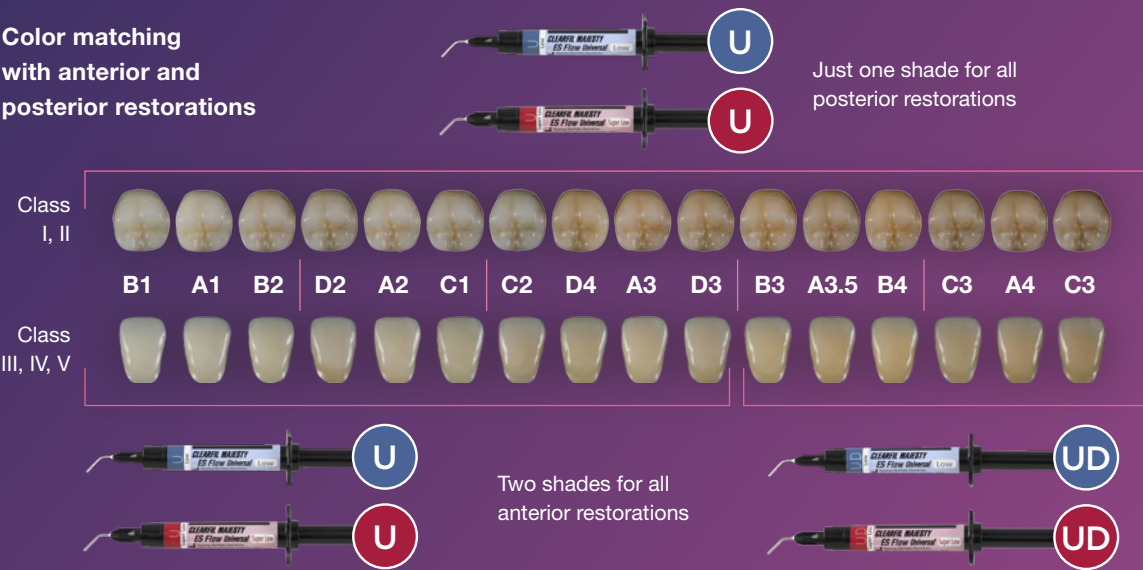
# Simplified shade concept

## Two shades do the trick

CLEARFIL MAJESTY™ ES Flow Universal is a flowable composite that consists of just two shades:

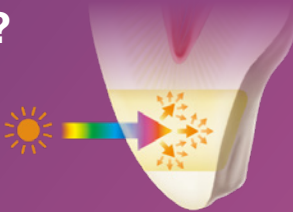
- One single universal shade (U) for all posterior restorations
- Two shade options universal (U) and universal dark (UD) for the anterior region.

Color matching  
with anterior and  
posterior restorations

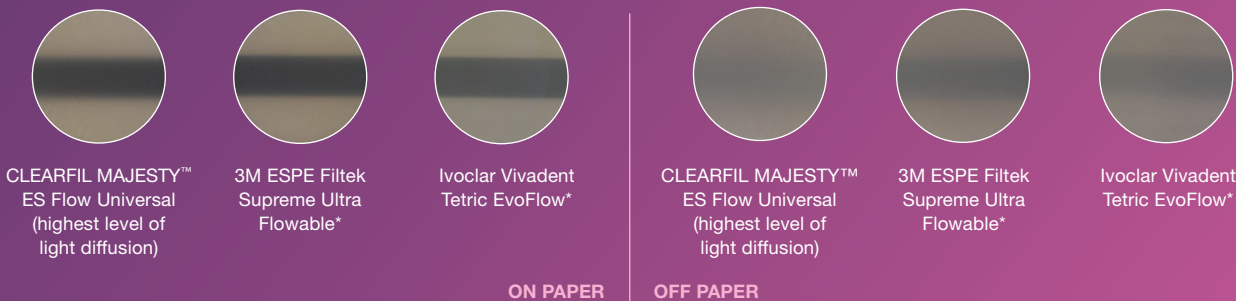


## Wonder how it is possible to achieve brilliant aesthetics with this slim shade range?

A smart combination of an enamel-like translucency, dentin-like chroma and Light-Diffusion Technology (LDT) does the trick. Thanks to the enamel-like translucency, light is transmitted through the material, bringing out the colour of the surrounding tooth structure. Fine-tuning of the chroma, which is not affected by the surrounding tooth structure, supports natural outcomes. Finally, LDT makes restorations diffuse light in a similar way as enamel and dentin. As a consequence, the material integrates easily and smoothly into the surrounding tooth structure.



This works extraordinarily well whenever several cavity walls are still present, like in posterior cavities (Class I or II) and cervical lesions (Class V). Light is simply reflected, diffused in the desired way and the original tooth shade is revealed. That is why in these cavity classes, a single shade (U) is sufficient. Cavities in darker teeth with a low amount of surrounding tooth structure that could be reflected and brought out (Class III and IV cavities), however, benefit from the use of a second, darker shade (UD).



Source: Kuraray Noritake Dental Inc.

\*Not a trademark of Kuraray Noritake Dental Inc.

# Two flowability options

## Every need covered

CLEARFIL MAJESTY™ ES Flow Universal is available in two different levels of flowability: Low and Super Low. While Low is a standard flowable composite suitable for a wide range of indications, the Super Low option is special in that it retains the given shape. Hence, it is ideal for building posterior cusps and ridges, making it the go-to material for use in occlusal surface areas. No matter which flowability is selected, the material is easy to extrude. Due to its low stickiness, handling and sculpting with the syringe tip is also easy.



## Clever syringe design: Effortless, accurate application

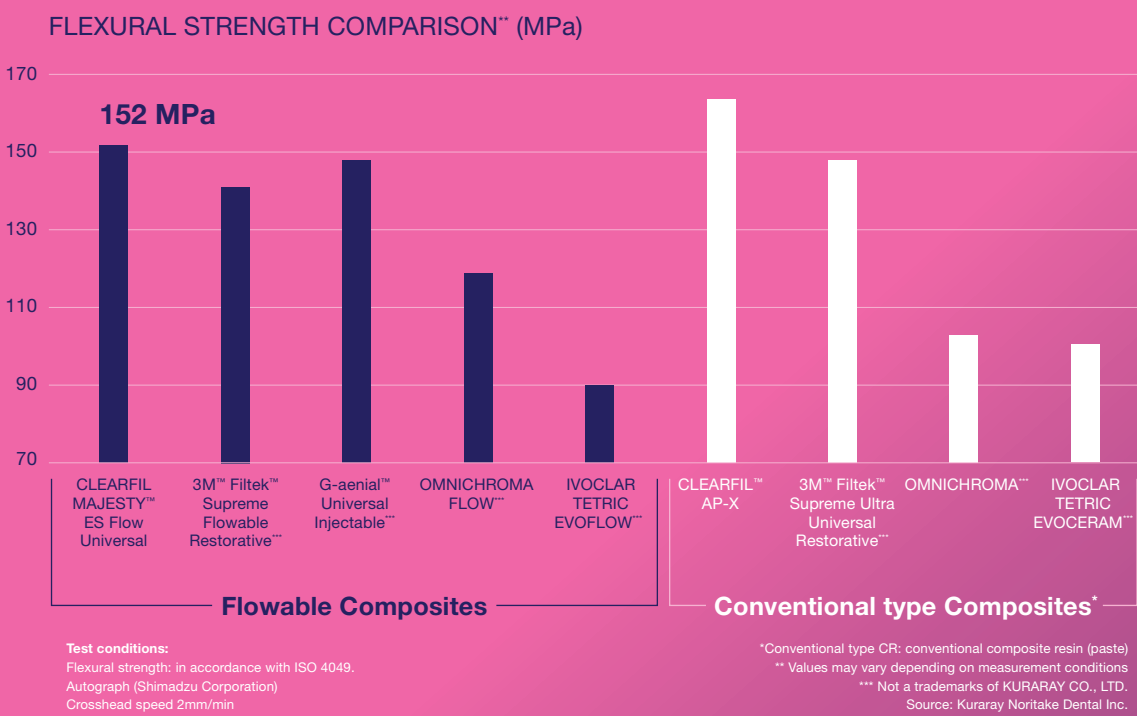
The syringe of CLEARFIL MAJESTY™ ES Flow Universal is designed to support effortless and accurate application. The needle tip design avoids air bubble formation and dripping after use. Moreover, modeling with the tip is easy, while the plunger reveals the shade and offers an appropriate extrusion force.



# Performance you can trust

## High mechanical strength: Resistant to occlusal forces

Early flowable composites had a major drawback: their weak mechanical properties set limits to their use or required a final layer of stronger composite on top. CLEARFIL MAJESTY™ ES Flow Universal is different: its flexural and compressive strength are similar to those of conventional, paste-type composite systems. Consequently, there are no limitations regarding its use in stress-bearing areas like the occlusal surface of posterior teeth. This simplifies clinical procedures and provides for stable outcomes even in the long term.

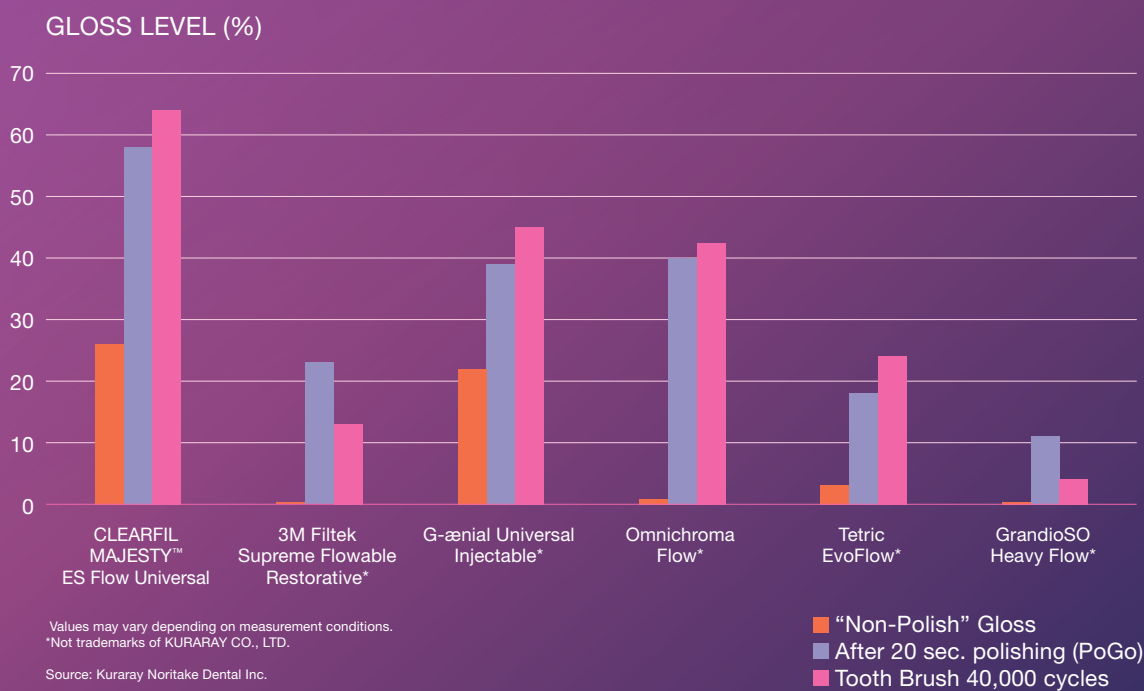
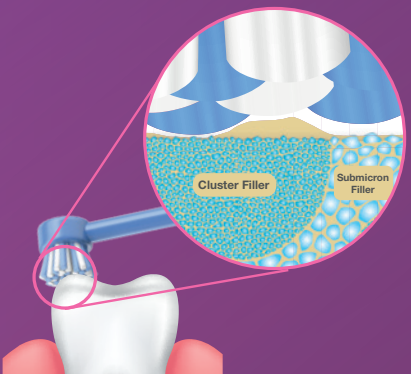


## Suitability for flowable injection technique: quicker restoration of multiple teeth

Restoring multiple teeth with composite in the conventional way can be laborious and unpredictable. Creating a wax-up, producing a transparent silicon index and injecting a suitable flowable composite to build up the teeth to the desired shape can speed up the clinical procedure and support predictable outcomes. CLEARFIL MAJESTY™ ES Flow Universal can be used for this workflow due to its well-balanced flowability and mechanical properties. It easily flows into every spot of the index and maintains a stable, smooth surface over time after polishing.

## Easy polishing: Natural beauty ideally supported

Like in other composites of the CLEARFIL MAJESTY™ ES series, CLEARFIL MAJESTY™ ES Flow Universal contains submicron fillers and cluster fillers developed by Kuraray Medical Inc. These fillers are so small that polishing is easy and quick, while light is ideally reflected for a natural effect. The small particle size also prevents the formation of large irregularities on the surface of the cured product after toothbrush abrasion. Hence, the natural gloss may be expected to last.



Values may vary depending on measurement conditions.  
\*Not trademarks of KURARAY CO., LTD.

**Test conditions:**  
Specimen ø10 mm, thickness 2 mm. Surface roughened with #600 water-resistant abrasive paper  
Gloss level of all the materials was measured below the conditions: Non-polish: After ethanol wiping.  
Polishing: Polished with composite resin finishing points PoGo (Dentsply Sirona) at 5000 rpm.  
Toothbrush wear: 40,000 strokes were worn by the toothbrush at a load of 250 g, 30 strokes/minute, and 10 wt% toothpaste.



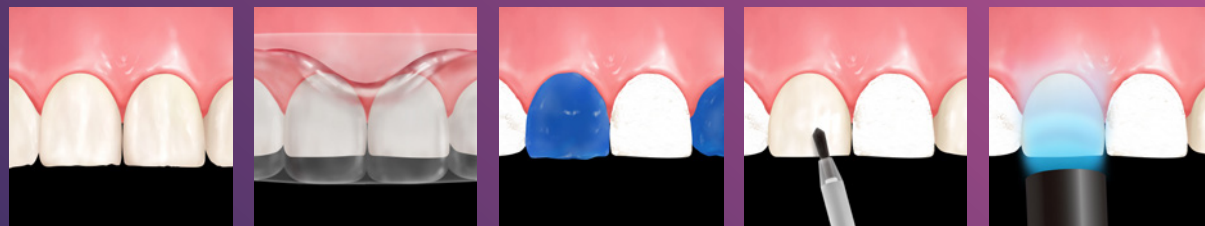
# Clinical procedures: simple steps

## Direct restoration with CLEARFIL MAJESTY™ ES Flow Universal

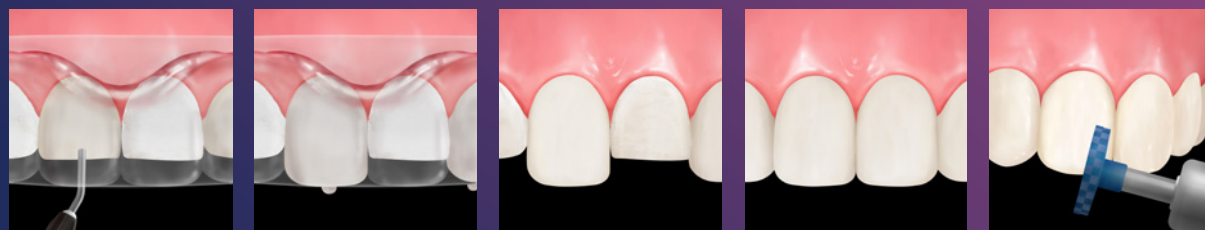


1. Prepare the cavity and apply bonding.
2. Dispense and sculpt CLEARFIL™ MAJESTY ES Flow.
3. Light-cure.
4. Finish & Polish

## Flowable injection technique with CLEARFIL MAJESTY™ ES Flow Universal



1. Remove the aprismatic enamel layer on the surface of the teeth.
2. Place the transparent silicone index produced over the wax-up to check its fit. Injection channels integrated with a flowable syringe tip are visible.
3. Isolate the non-treated adjacent teeth to protect them. Apply K-ETCHANT Syringe to the entire surface of every other tooth, then rinse and dry.
4. Apply CLEARFIL™ Universal Bond Quick 2 to every other tooth with a rubbing motion. Dry by blowing mild air until the adhesive does not move anymore.
5. Light-cure the adhesive.



6. Reposition the silicone index in the patient's mouth and inject CLEARFIL™ MAJESTY ES Flow Universal through the injection channels of the pre-treated teeth.
7. Light-cure the flowable composite through the transparent index from each side.
8. Remove the silicone index, the tape used for protection and separation, and remove excess with a blade.
9. Repeat the procedure for the previously untreated teeth (steps 3 to 8).
10. Polish with burs and strips for interproximal area. Use TWIST DIA™ for Composite to finish polishing.\*

# Complementary products



## KATANA™ Cleaner - Optimising the bond

KATANA™ Cleaner removes contamination to optimise adhesive procedures. It has a high cleaning effect due to the surface-active characteristic of MDP Salt. Suitable for intra- and extra-oral use, it is the optimal solution for the cleaning of all bonding surfaces, which are potentially contaminated with saliva or blood for example, after tooth preparation.



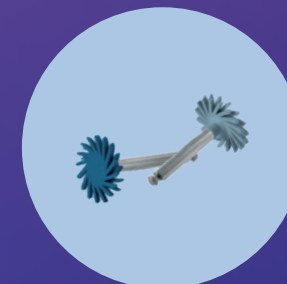
## CLEARFIL™ Universal Bond Quick 2 - All indications, one bond

CLEARFIL™ Universal Bond Quick 2 is the innovative universal bonding that works immediately: apply, dry, and cure. No need to wait, rub in thoroughly, or apply several coats. The universal adhesive provides for reliable and durable bonding to tooth structure and composite as well as all other direct and indirect restorative materials. The product may be used as desired: self-etch, selective-etch, or total-etch. The viscosity and strength of the bonding layer have been optimized for easier application, procedural safety and simplicity, and a great long-term performance.



## K-ETCHANT Syringe - Etching made easy

K-ETCHANT Syringe contains 35% phosphoric acid and offers thixotropic properties. With the new finer (0.5 mm) 'needle tip', the etchant can be applied with great precision, while thanks to thixotropy it remains exactly where it is applied. This gives you full control over the application.



## TWIST™ DIA for Composite - Creating natural gloss\*

TWIST™ DIA for Composite is indicated for polishing all kinds of composites. The "pre-polisher" creates the final form of the restoration from any angle imaginable. With the "high-shine polisher", a natural high-gloss result is obtained within seconds. TWIST™ DIA for Composite is autoclavable and thus reusable. The combination of flexible components and diamond particles delivers an unprecedented high-gloss result with each use.



## CARIES DETECTOR - The caries revealer

CARIES DETECTOR plays a major role in maintaining pulp vitality and preserving tooth structure by enabling you to clearly distinguish between caries-infected, and caries-affected, healthy dentin. As only the irreversibly infected dentin is stained red, you can confidently remove this tissue, while leaving the healthy dentin in place.

\*TWIST™ DIA for Composite is manufactured by EVE Ernst Vetter GmbH, Neureutstr. 6, 75210 Kelttern, Germany



# Ordering Information

## CLEARFIL MAJESTY™ ES Flow Universal

#4600-EU	Low (U)	1 syringe 1.5 ml x 1, needle tip x 15 pcs
#4601-EU	Low (UD)	1 syringe 1.5 ml x 1, needle tip x 15 pcs
#4620-EU	Super Low (U)	1 syringe 1.5 ml x 1, needle tip x 15 pcs
#4621-EU	Super Low (UD)	1 syringe 1.5 ml x 1, needle tip x 15 pcs

#3331-EU 20x Needle Tip (N)



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- Before using this product, be sure to read the Instructions for Use supplied with the product.
- The specifications and appearance of the product are subject to change without notice.
- Printed colour can be slightly different from actual colour.

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