

**kuraray**

*Noritake*

**CLEARFIL MAJESTY™ ES Flow Universal**

**Universal.  
Flowable.  
Strong.**



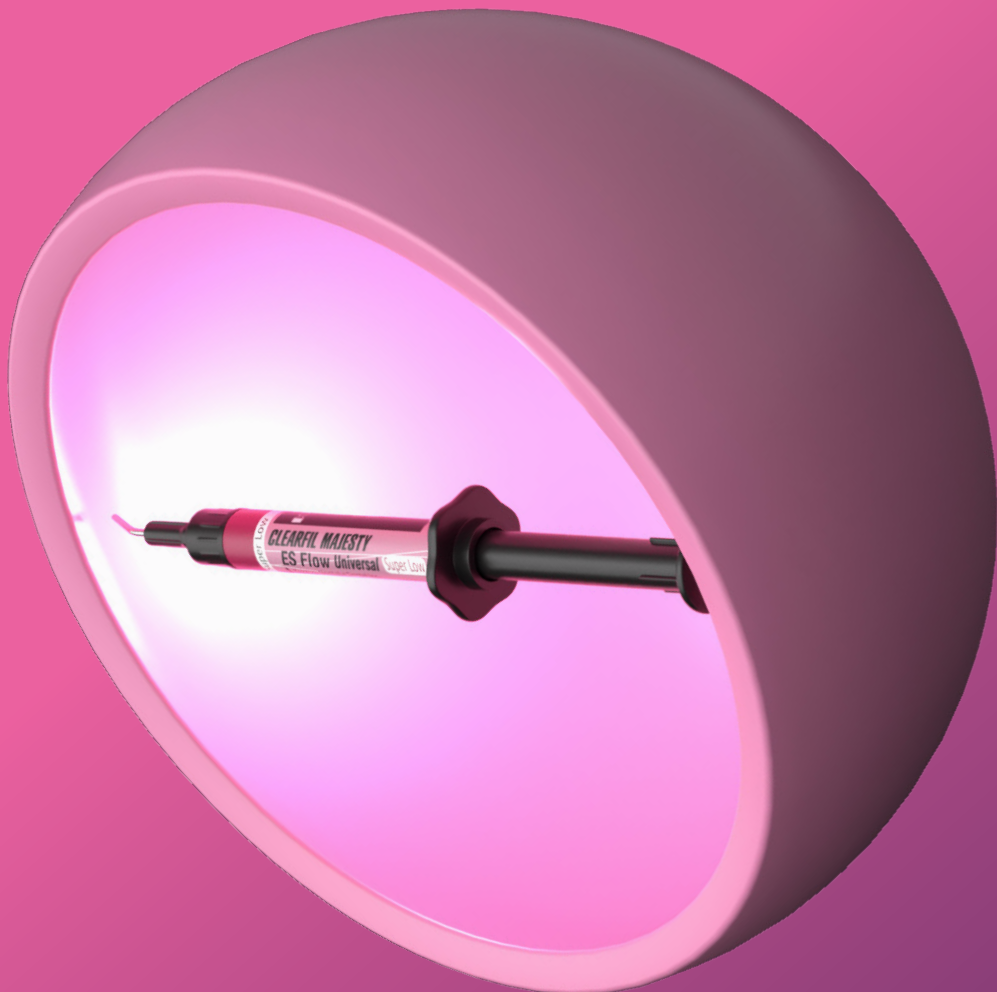
—  
Your new  
favourite

**UE** Universal  
Excellence

# 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 VITA\* shades in all cavities\*\*

\*\*except those lacking of a back wall 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

# High Gloss

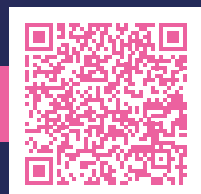
Easy polishing  
and long-lasting gloss



## Areas of application

- 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



# 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

## High Filler load and Strength for Lasting Performance

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 composite. Instead, it positions itself as a permanent solution capable of delivering both aesthetic excellence and structural reliability.

### Simplified shade concept

→ No shade taking and reduced inventory

### 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 lasting gloss leading to 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) covering all VITA\* shades in all cavities.
- One additional shade universal dark (UD) for cavities lacking a back wall of shade B3 and darker.

**Color matching with anterior and posterior restorations**



Just one shade for all posterior restorations

Class I, II

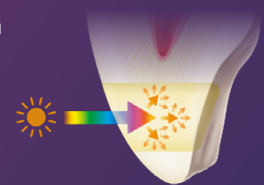
B1 A1 B2 D2 A2 C1 C2 D4 A3 D3 B3 A3.5 B4 C3 A4 C3

Class III, IV, V

Two shades for all anterior 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. The enamel-like translucency allows light to pass partially through the restoration, revealing the colour of the surrounding and underlying tooth structure. At the same time, the material chromatically matches the natural dentine, regardless of shade, to promote natural results. Thanks to LDT, light refracts into the restorations in a similar way to natural enamel and dentine. As a result, the material blends easily and smoothly with the surrounding tooth structure (blending effect).



### COMPARISON LEVEL OF LIGHT DIFFUSION

The following test shows the difference in light diffusion with a sample placed directly on a black and white paper background and another positioned 5 mm above it.

CLEARFIL MAJESTY™ ES Flow Universal (highest level of light diffusion)	3M ESPE Filtek Supreme Ultra Flowable*	Ivoclar Vivadent Tetric EvoFlow*	CLEARFIL MAJESTY™ ES Flow Universal (highest level of light diffusion)	3M ESPE Filtek Supreme Ultra Flowable*	Ivoclar Vivadent Tetric EvoFlow*

Source: Kuraray Noritake Dental Inc.

ON PAPER

OFF PAPER

\*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 the Low variant is a standard flowable composite suitable for a wide range of indications, the Super Low option is unique in its superior ability to maintain its given shape. Hence, it is ideal for building posterior cusps and ridges, making it the go-to material for use in occlusal 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. Moreover, modeling with the tip is easy. The plunger is designed in a way that prevents dripping during and after use. The syringe is easy to hold and offers controlled dispensing of the composite.



- Specially designed Needle Tip  
Reduces the risk of air bubbles by reducing unnecessary gaps inside

- Compact  
Easy to hold  
Uses a shape that is easy to use and does not take up space when storing

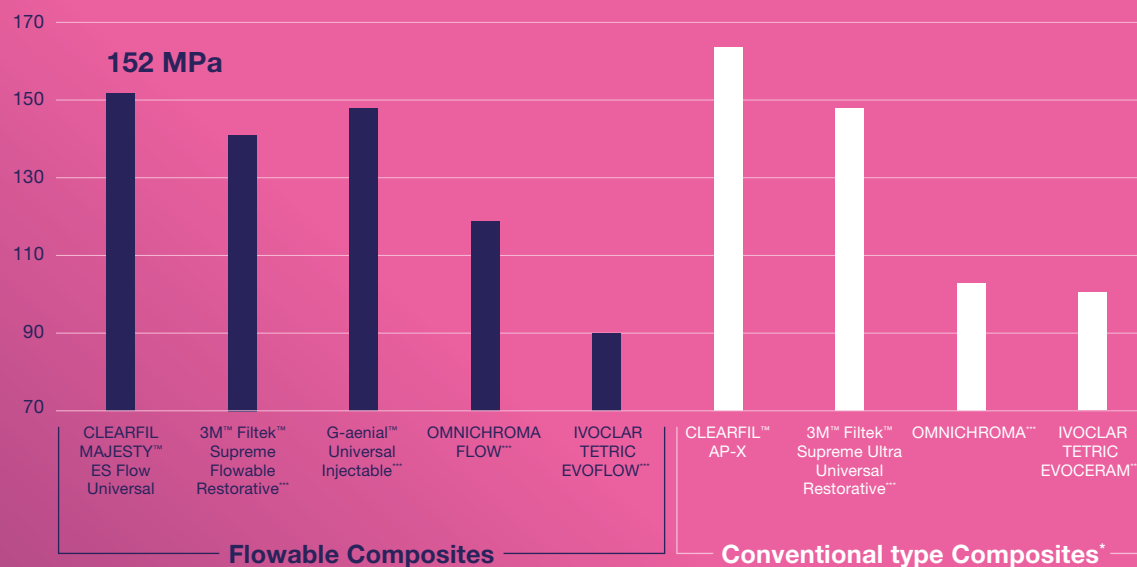
- Easy to extrude
- Easy to check the shade

# Performance you can trust

## High mechanical strength: Resistant to occlusal forces

Early and several current flowable composites have 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.

FLEXURAL STRENGTH COMPARISON\*\* (MPa)



**Test conditions:**

Flexural strength: in accordance with ISO 4049.  
Autograph (Shimadzu Corporation)  
Crosshead speed 2mm/min

\*Conventional type CR: conventional composite resin (paste)

\*\* Values may vary depending on measurement conditions

\*\*\* Not a trademarks of KURARAY CO., LTD.

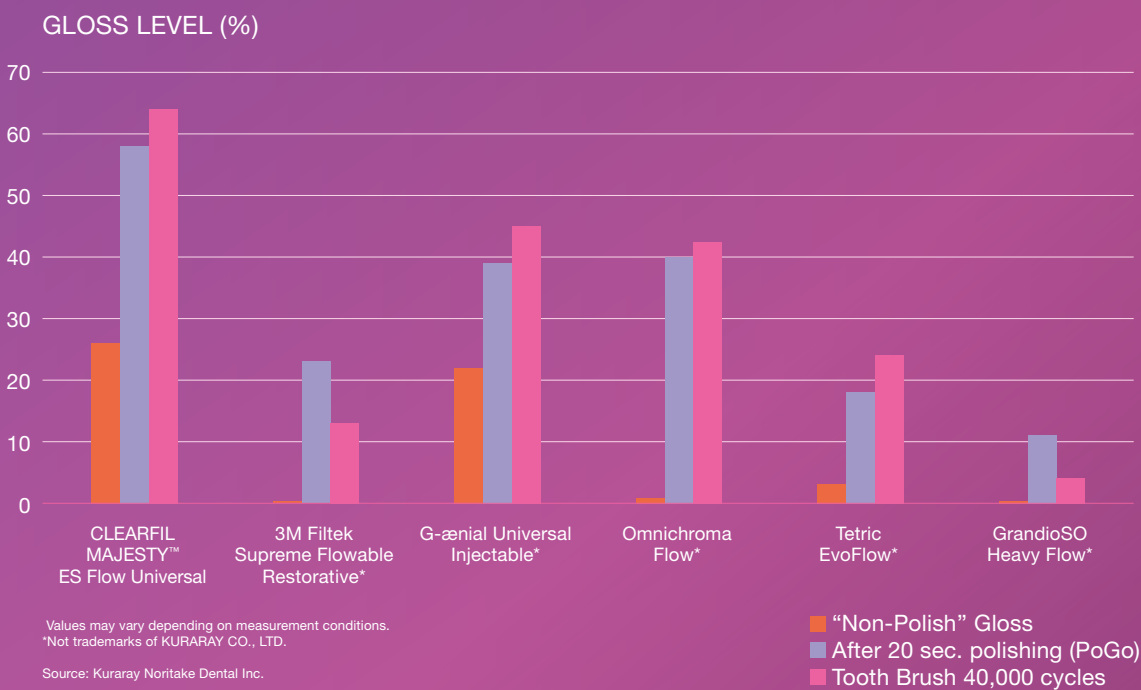
Source: Kuraray Noritake Dental Inc.

## 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 is ideal in this workflow due to its well-balanced flowability and blending capacity. It easily flows into every spot of the index and maintains a void free, 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 is highly filled with 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 expected to last.



# Clinical procedures: Optimised workflow

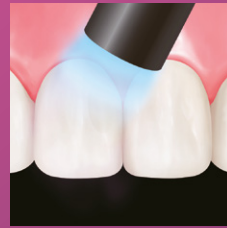
## Direct restoration with CLEARFIL MAJESTY™ ES Flow Universal



1. Prepared cavity after bonding procedure.



2. Dispense and sculpt CLEARFIL™ MAJESTY ES Flow.



3. Light-cure.

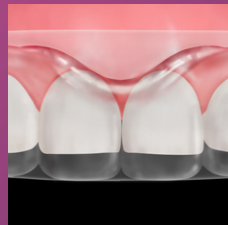


4. Finish & Polish

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



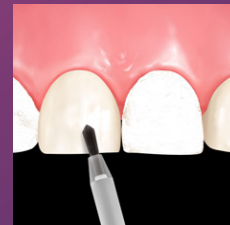
1. Remove the aprismatic enamel layer on the surface of the teeth.



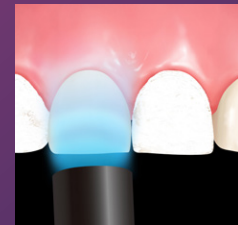
2. Place the transparent silicone index produced over the wax-up to check its fit.



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.



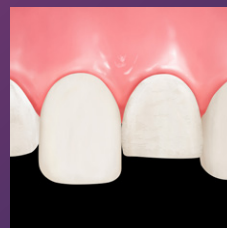
5. Light-cure the adhesive.



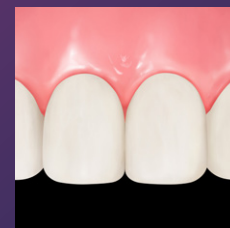
6. Reposition the silicone index in the patient's mouth and inject CLEARFIL™ MAJESTY ES Flow Universal through the injection channels of the pre-treated teeth.



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 curved scalpel.



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.\*

# Important part of the Universal Excellence portfolio

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.



—  
**CLEARFIL MAJESTY™  
ES-2 Universal**



—  
**KATANA™  
Cleaner**



—  
**CLEARFIL™ Universal  
Bond Quick2**



—  
**CLEARFIL MAJESTY™  
ES Flow Universal**



—  
**PANA VIA™  
SA Cement  
Universal**

We recognize that balancing efficiency with quality is no small feat. That's why we're dedicated to creating solutions that bring both together — seamlessly. Our aligned products, developed with cutting-edge technology, offer intuitive handling and consistently reliable results. The goal? To free you up to focus on what truly matters.

This is Universal Excellence!

SCAN FOR MORE INFORMATION ABOUT Universal Excellence



# 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.



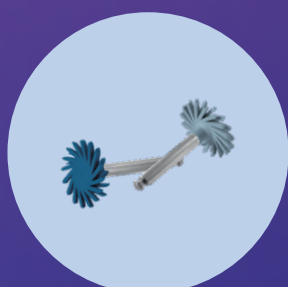
## **CLEARFIL™ Universal Bond Quick 2** - All indications, one bond

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 optimised 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, dentin. As only the irreversibly infected dentin is stained red, you can confidently remove this tissue, while leaving the healthy dentin in place.



# Ordering Information

## CLEARFIL MAJESTY™ ES Flow Universal

#4600-EU	Low (U)	1 syringe 2.7 g/1.5 ml, 15 needle tips
#4601-EU	Low (UD)	1 syringe 2.7 g/1.5 ml, 15 needle tips
#4620-EU	Super Low (U)	1 syringe 2.7 g/1.5 ml, 15 needle tips
#4621-EU	Super Low (UD)	1 syringe 2.7 g/1.5 ml, 15 needle tips
#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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