

kuraray

Noritake

INTELLIGENT COMPOSITE

SINGLE SHADE ROUTINE

CLEARFIL MAJESTY™ ES-2 UNIVERSAL



BORN IN JAPAN

TRULY UNIVERSAL

No shade taking
Aesthetic and strong
For all cavity classes

INTUITIVE, INTELLIGENT, UNIVERSAL

CLEARFIL MAJESTY™ ES-2 UNIVERSAL

How many different types and shades of composite do you need to create appealing and lasting restorations in every cavity class? Opt for CLEARFIL MAJESTY™ ES-2 UNIVERSAL and experience that only a few shades will do the trick.



1 SHADE FOR POSTERIOR RESTORATIONS

One single universal shade (U) offers the solution for all posterior restorations independent of the target shade.



2 SHADES FOR ANTERIOR RESTORATIONS

In the aesthetically more demanding anterior region choose Light (UL) or Dark (UD) depending on the target shade.



NO SHADE-TAKING NEEDED

Due to the intelligent optical integration, CLEARFIL MAJESTY™ ES-2 UNIVERSAL blends into the surrounding tooth tissue seamlessly.





FEATURES

BENEFITS

Intelligent optical integration

▶ No shade taking

Excellent aesthetics and ease of use with a reduced number of shades

▶ Easy, time-saving, predictable results and minimised inventory

Easy sculptable, non-sticky and long working time

▶ Convenient handling and stress free shaping

Natural and long lasting gloss after easy polishing

▶ Appealing results that last through time

Low wear, low shrinkage and gentle to the antagonist

▶ Durable restorations



SHADE FOR POSTERIOR



CLEARFIL MAJESTY™ ES-2 Universal

POSTERIOR RESTORATION

The great majority of all direct composite restorations are created in the posterior region. Specifically here it is of high importance that the material offers next to intelligent optical integration favourable wear properties and has high flexural and compressive strengths.

CLEARFIL MAJESTY™ ES-2 Universal does the job with one single shade independent of the tooth colour. The composite integrates easily and smoothly into the surrounding tooth structure.

CLINICAL CASE



Before



After

Courtesy:
Dr Piotr Marchewka



SHADES FOR ANTERIOR



CLEARFIL MAJESTY™ ES-2 Universal Light



CLEARFIL MAJESTY™ ES-2 Universal Dark

ANTERIOR RESTORATION

A composite designed to restore anterior teeth needs to respond to natural optical dynamics by offering the right level of translucency, a natural gloss that does not wear off over time, and intelligent optical integration to blend in seamlessly. The fact that light passes through the teeth in the anterior region more easily combined with the dark oral cavity behind it, makes it more difficult to let the restoration blend in, even with the use of light diffusion technology.

With two shades of CLEARFIL MAJESTY™ ES-2 Universal designed for the anterior region, Kuraray Noritake Dental is able to fulfill these specific requirements. At the same time, the selection of the right shade (UL or UD) becomes child's play. To cover anterior cases in the shade range **A1 A2** use UL, for darker teeth UD. Our unique and improved light diffusion technology makes intelligent optical integration possible in anterior cavities as well. The aesthetic outcome speaks for itself.

CLINICAL CASE



Before



After

Credits: photos
by Dr Luca Dusi



NO SHADE TAKING

Selecting the right variant of CLEARFIL MAJESTY™ ES-2 UNIVERSAL doesn't require extensive shade taking. In posterior cavities shade U is preferred. For anterior use UL (Universal Light) or UD (Universal Dark) in darker teeth. Due to the intelligent optical integration, CLEARFIL MAJESTY™ ES-2 UNIVERSAL blends into the surrounding tooth tissue seamlessly.

SMART AESTHETICS

CLEARFIL MAJESTY™ ES-2 Universal is comprised of the smallest possible shade range required for each region to support high-level aesthetics. Universal shades are designed to cover all cavity classes with a few shades based on the following shade comparison table:

CAVITY CLASS	SHADE				
	A1 B1, B2	A2 D2, C1	A3 C2, D3	A3.5 B3, B4	A4 C3, C4
I 	 Universal				
II 					
III 	 Universal Light		 Universal Dark		
IV 					
V 					

For cavities in the anterior region that require high lightness/value (bleached or deciduous teeth for example), we offer a dedicated Universal White shade (UW).

CLINICAL CASE

SIMPLIFIED POSTERIOR RESTORATION PROCEDURE ELIMINATING SHADE SELECTION

by Dr Piotr Marchewka

Efficiency is an important factor when it comes to restoring posterior cavities with resin composite. It may be achieved by selecting a material that eliminates the need for shade selection and by the use of simplified layering techniques, for example. In the clinical case below, a maxillary first molar and second premolar were restored with CLEARFIL MAJESTY™ ES-2 Universal (U) using the single-shade technique.



Initial situation. Caries lesions are detected on the occlusal and palatal surfaces of the first molar and in the distal aspect of the second premolar. Rubber dam was placed for moisture control.



Appearance of the teeth following caries removal, selective etching of the enamel and application of CLEARFIL™ SE BOND 2.



Sectional matrix in place. It is used to facilitate the creation of a proper interproximal contact.



Occlusal view of the final restorations produced with CLEARFIL MAJESTY™ ES-2 Universal.



Mesio-occlusal view of the final restorations. The surfaces were polished with CLEARFIL™ Twist Dia.



Final situations after rubber dam removal and occlusal adjustments.

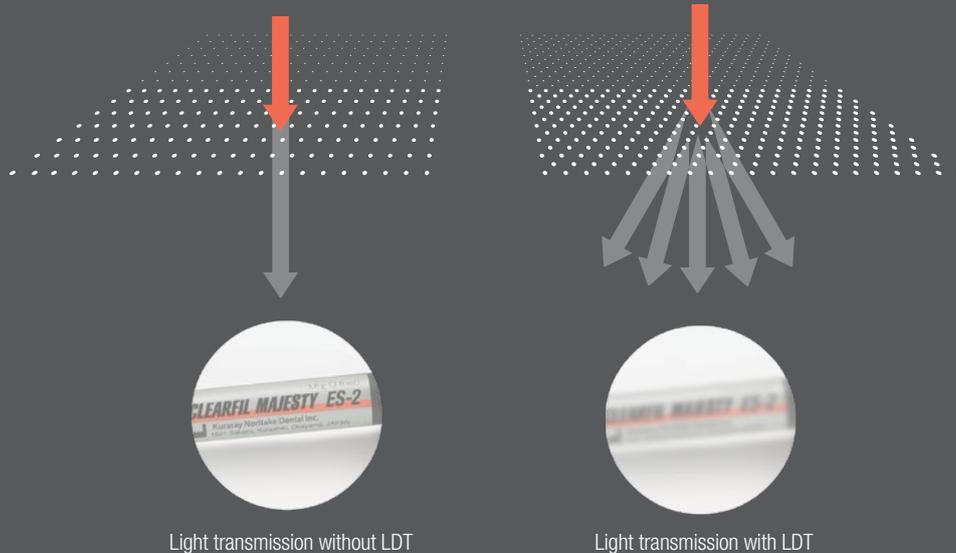
THE MAGIC TOUCH

INTELLIGENT OPTICAL INTEGRATION

As the latest addition to the CLEARFIL MAJESTY™ ES family CLEARFIL MAJESTY™ ES-2 UNIVERSAL has decades of silane and filler technology under its belt. CLEARFIL MAJESTY™ products are popular among dental practitioners around the globe and renowned for their aesthetics, longevity and low wear over time.

An aesthetic composite needs to respond to natural optical dynamics by offering the right level of translucency, a sophisticated blending effect and a natural gloss that does not wear off over time.

CLEARFIL MAJESTY™ ES-2 UNIVERSAL offers the best shade integration with the least amount of composite shades. It blends into the surrounding tooth structure smoothly and easily. The outcome: invisible restorations.



LIGHT DIFFUSION TECHNOLOGY

A reduction in the number of shades needed for your restorations is possible due to the integration of Kuraray Noritake Dental's improved Light Diffusion Technology (LDT) in CLEARFIL MAJESTY™ ES-2 Universal.

LDT makes restorations distribute light in a similar way dental tissue does. As a consequence, the material integrates into the surrounding tooth structure easily and smoothly. The outcomes are invisible fillings. Kuraray uses LDT for many years. Optimisation of the shape, distribution and amount of light diffusion fillers has led to the creation of CLEARFIL MAJESTY™ ES-2 Universal.

DURABILITY

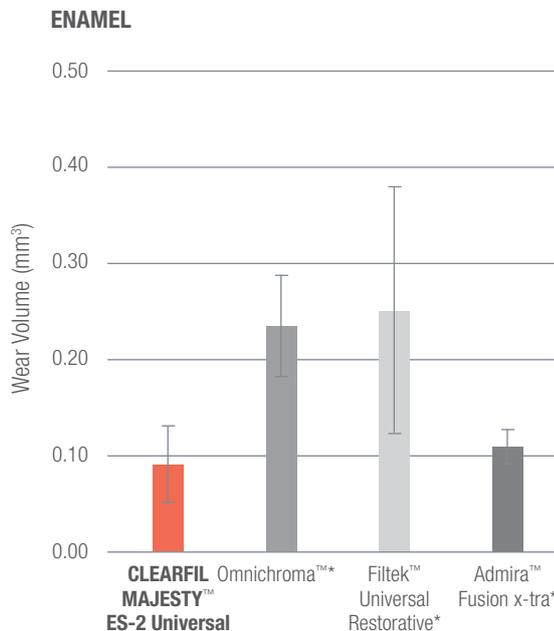
CLEARFIL MAJESTY™ ES-2 Universal performs incredibly well when it comes to key properties of the restorations anterior as well as in the posterior region:

- High strength and wear resistance
- Low antagonist wear
- Low shrinkage stress
- Excellent aesthetics
- Easy polishable
- Long term gloss

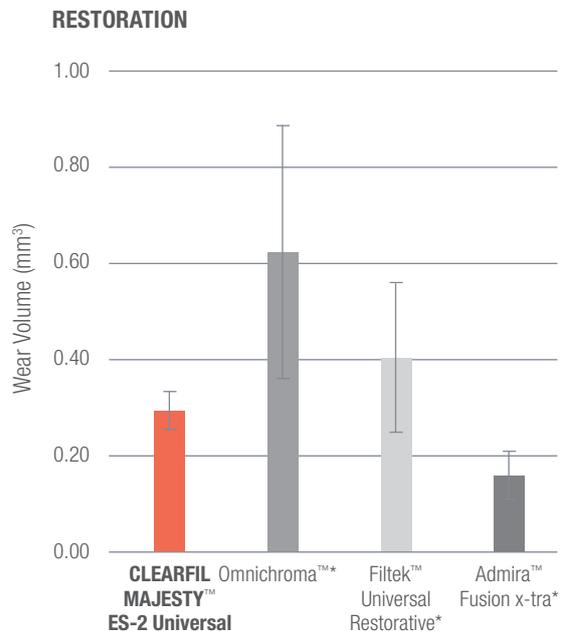
Posterior: Its well-balanced wear properties ensure a stable and smooth surface over time, while the antagonist is not harmed. The material's low polymerization shrinkage stress helps to prevent marginal discoloration and micro-leakage that might lead to secondary caries.

Anterior: Aesthetics are of major importance in the anterior area. Though not solely, CLEARFIL MAJESTY™ ES-2 Universal's strength is important too, and definitely its long term gloss.

The mechanical properties highlighted for the posterior shade are offered by the anterior shade options as well. All variations of CLEARFIL MAJESTY™ ES-2 Universal have the same mechanical characteristics.



CLEARFIL MAJESTY™ ES-2 Universal (red) shows less wear of enamel antagonist than competitors' materials tested.



The wear of CLEARFIL MAJESTY™ ES-2 Universal (red) are shown to be less than the wear of Omnichroma (Tokuyama) and Filtek Universal Restorative (3M).

Test Conditions: Leinfelder wear test at room temperature in water. Load: 7.9 kg/cm², 400,000 cycles. Antagonist: bovine enamel, polished with #3000 paper. Material: polished with #3000 paper.

* Not a trademark of Kuraray Noritake Dental Inc. Source all graphs: Kuraray Noritake Dental Inc.

BEST IN CLASS

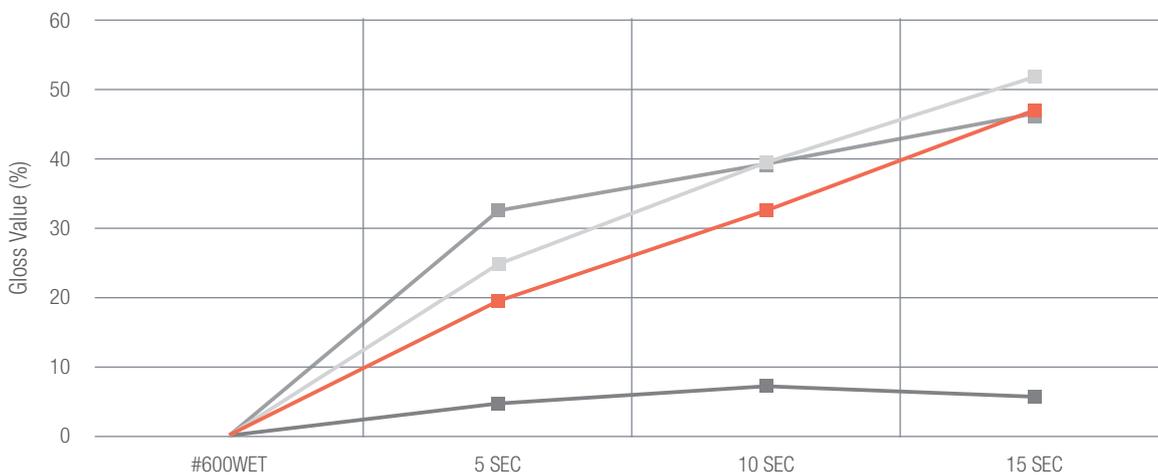
AESTHETICS

The most decisive properties ensuring aesthetic results over time are a material's polishability and gloss retention. With regard to both properties, CLEARFIL MAJESTY™ ES-2 Universal is better or equal to other products that offer simplified shade selection.

CLEARFIL MAJESTY™ ES-2 Universal is very well polishable for a natural, enamel-like appearance and gloss value remains high even after toothbrush abrasion for great long-term results. The polishability and gloss retention highlighted for the anterior shades are offered by the posterior shade as well.

POLISHABILITY

■ CLEARFIL MAJESTY™ ES-2 Universal ■ Filtek™ Universal Restorative* ■ Omnichroma™* ■ Admira™ Fusion x-tra*



With regard to polishability, CLEARFIL MAJESTY™ ES-2 Universal displays high gloss values.

Test conditions: cured sample roughened by sandpaper (#600), polished by silicone polisher for 5~15 s at 10,000 rpm under water, and measured by gloss meter.

* Not a trademark of Kuraray Noritake Dental
Source: Kuraray Noritake Dental Inc.

EXCELLENT MECHANICAL PROPERTIES

Flexural strength	118 MPa
Filler load	78 wt%
Compressive strength	347 MPa
Volumetric shrinkage	1.9 %
Curing depth	2.0 mm
Working time under ambient light	4,5 min.

Source: Kuraray Noritake Dental Inc.

PRODUCT ASSORTMENT

CLEARFIL MAJESTY™ ES-2 Universal SYRINGES

1 syringe: 2,0 ml (3,6 g)

- #3181-EU CLEARFIL MAJESTY™ ES-2 Universal (U)
- #3183-EU CLEARFIL MAJESTY™ ES-2 Universal Light (UL)
- #3184-EU CLEARFIL MAJESTY™ ES-2 Universal Dark (UD)
- #3182-EU CLEARFIL MAJESTY™ ES-2 Universal White (UW)



CLEARFIL MAJESTY™ ES-2 Universal PLT

20 PLT's: 0,25g

- #3191-EU CLEARFIL MAJESTY™ ES-2 Universal (U)
- #3193-EU CLEARFIL MAJESTY™ ES-2 Universal Light (UL)
- #3194-EU CLEARFIL MAJESTY™ ES-2 Universal Dark (UD)
- #3192-EU CLEARFIL MAJESTY™ ES-2 Universal White (UW)



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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 color can be slightly different from actual color.

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