

# ***CLEARFIL™ AP-X ES-2*** **Universal shades**

INTELLIGENT SIMPLIFICATION

For all direct composite restorations  
One shade for posterior  
Two shade options for anterior restorations



# CLEARFIL™ AP-X ES-2

## Universal shade concept

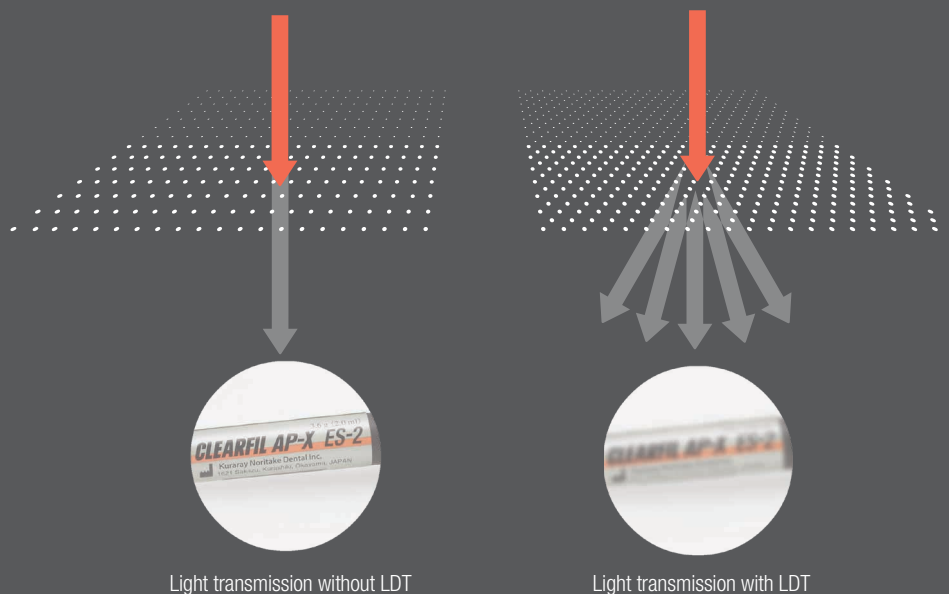
### EFFORTLESS ESTHETICS

How many different shades of composite do you need to create appealing restorations in virtually every clinical situation?

If you opt for “CLEARFIL™ AP-X ES-2” **Universal shade** concept, just a few shades will do the trick. A single universal shade is the go-to solution for all posterior restorations. In the esthetically more demanding anterior region, there are two shade options to choose from. An extra white shade is additionally available.

### NO OPAQUER NEEDED!

A blocker or opaquer is not needed – neither in the posterior nor in the anterior region for your regular cases. This is due to the material’s specific level of translucency and the integration of Kuraray Noritake Dental’s **Light Diffusion Technology (LDT)**, which makes restoration distort light in a similar way tooth structure does. As a consequence, the material integrates easily and smoothly into the surrounding tooth structure and preparation margins become virtually invisible.



### FOR YOU, THIS MEANS

- ✓ Simplified shade selection without a shade guide
- ✓ Efficient and comfortable procedure (single-shade technique, no blocker or opaquer)
- ✓ Fewer potentially error-prone work steps for consistent, predictable results
- ✓ Appealing outcomes that last

“CLEARFIL™ AP-X ES-2” Universal offers the same superior mechanical properties as its predecessors:

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:	270 sec.

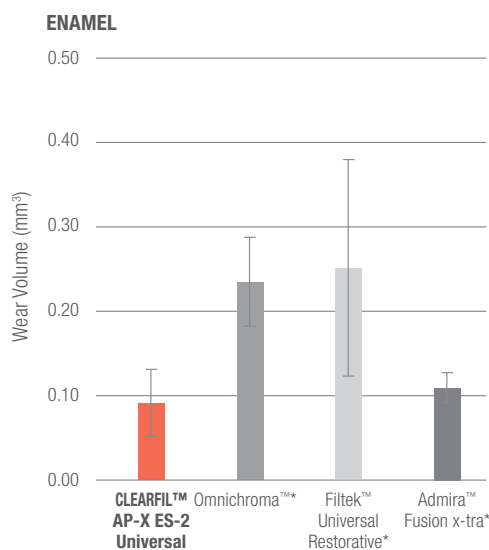
Source: Kuraray Noritake Dental Inc.

# ONE SHADE FOR POSTERIOR RESTORATIONS

The great majority of all direct composite restorations are created in the posterior region, where the following properties are particularly important:

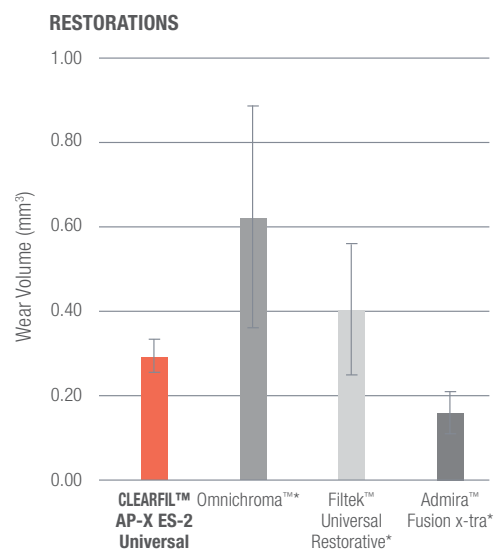
- favorable wear resistance properties
- good optical integration
- low shrinkage stress

“CLEARFIL™ AP-X ES-2” Universal accomplishes this task with one universal shade used independent of the tooth color.



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

Test Conditions: Leinfelder wear test at room temperature in water.  
Load: 7.9 kg/cm<sup>2</sup>, 400,000 cycles.  
Antagonist: bovine enamel, polished with #3000 paper. Material: polished with #3000 paper.



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

Source all graphs: Kuraray Noritake Dental Inc.

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## CLINICAL CASE POSTERIOR

Credits: Photos by Dr Piotr Marchewka



Before

After

## CLINICAL CASE ANTERIOR

Credits: Photos by Dr Luca Dusi



Before

After

## ANTERIOR RESTORATIONS: THE SIMPLE PATH TO BEAUTY

In the anterior region, any visual flaws and discrepancies in color, translucency or surface structure between teeth and restorations are immediately visible, compromising smile esthetics. This is why a composite used to restore anterior teeth should offer

- the right level of translucency
- a natural, lasting gloss
- a precise color match to blend in virtually seamless








With two shades of “CLEARFIL™ AP-X ES-2” Universal designed for the anterior region, Kuraray Noritake Dental is able to fulfill these specific requirements. The outcome speaks for itself!

## COMBINING ESTHETICS AND SIMPLICITY

As an esthetically driven and user-oriented company, Kuraray Noritake Dental aims at offering products that support simplified treatment approaches while ensuring highly esthetic outcomes. In line with this philosophy, "CLEARFIL™ AP-X ES-2" Universal shade concept is comprised of the smallest possible shade range required for each region to support high-level esthetics.

## SHADE COMPARISON TABLE

Universal shades are designed to cover all cavity classes with a few shades based on a following chart:

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

For clinical cases in the anterior region that require high lightness/value, we offer a dedicated white shade (UW).

## PRODUCT ASSORTMENT

### CLEARFIL™ AP-X ES-2 Universal SYRINGES

- #4081-WD CLEARFIL™ AP-X ES-2 Universal (U)
- #4082-WD CLEARFIL™ AP-X ES-2 Universal (UW)
- #4083-WD CLEARFIL™ AP-X ES-2 Universal (UL)
- #4084-WD CLEARFIL™ AP-X ES-2 Universal (UD)



**Kuraray Noritake Dental Inc.**

1621 Sakazu, Kurashiki, Okayama 710-0801, Japan

Website [www.kuraraynoritake.com](http://www.kuraraynoritake.com)

- 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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