

DENTAL LIGHT-CURED RESTORATIVE COMPOSITE  
***CLEARFIL MAJESTY™ ES Flow***

REDUCE CHAIRSIDE TIME  
SUPERIOR POLISH IN SECONDS  
EASY AND DURABLE



CLEARFIL MAJESTY™ ES Flow is a light-cure, universal, flowable composite that contains 75 wt% filler and is indicated for the following restorative applications:

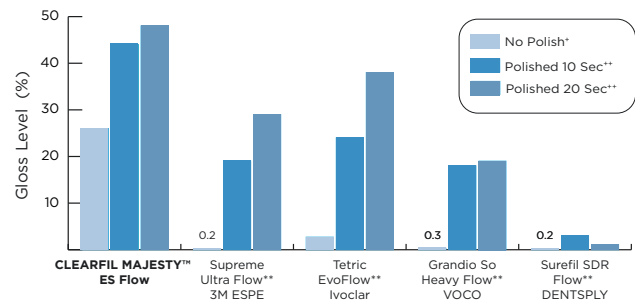
- Direct restorations for all cavity classes, cervical lesions, tooth wear, and tooth erosion
- As a cavity base/liner
- Corrections of tooth position and shape
- Intraoral repair of fractured restorations



## EXCEPTIONALLY EASY TO POLISH

CLEARFIL MAJESTY™ ES Flow is a universal flowable composite developed by using special submicron fillers that make it easy to polish.

This material is extremely easy to polish in just a few seconds, when compared to other flowable materials that require longer polishing (Fig. 1) or multiple steps.



**Fig. 1: COMPARISON OF GLOSS BEFORE & AFTER POLISH**

+ Gloss level of all the materials were measured after ethanol wiping.  
 ++Tested Materials were Polished with same criteria using OptiStep Polisher (Kerr Corporation)

\*\* Not a trademark of KURARAY Co., Ltd

## SMOOTH CONTOURS ARE AS EASY AS A SINGLE WIPE

A high level gloss can be achieved by simply wiping the cured CLEARFIL MAJESTY™ ES Flow resin with a gauze or cotton roll soaked in ethanol (See comparison in Fig. 2).

A higher level of polishability can be achieved with a simple 10-20 second, one-step polishing technique that will produce a smooth surface. Clinically, smooth surfaces have a tendency to reduce plaque accumulation.



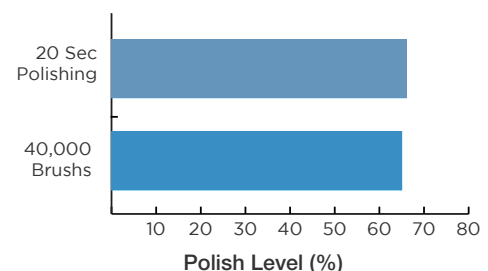
**Fig. 2: GLOSS AFTER WIPING WITH ETHANOL**

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## POLISH RETENTION

Polish retention is one of the key features required for composite restorations. The filler particles of CLEARFIL MAJESTY™ ES Flow have been designed to produce optimum polish retention.

An In-Vitro toothbrush wear test shows high polish retention of the product (Fig. 3).



**Fig. 3: HIGH POLISH RETENTION AFTER TOOTHBRUSH WEAR TEST**

## SPECIAL FILLER TECHNOLOGY COMBINES HIGH POLISHABILITY, LIGHT DIFFUSION AND HIGH MECHANICAL PROPERTIES

Special submicron fillers (Fig. 5) are surface treated with a proprietary silane coupling agent (Fig. 6), which allows for the high filler loading of 75 wt% to provide superior mechanical properties (Fig. 7).

The submicron fillers provide a high level of gloss; special cluster fillers bring a light diffusion property to the product. This helps composite restorations blend to tooth structure, thereby creating highly esthetic restorations.

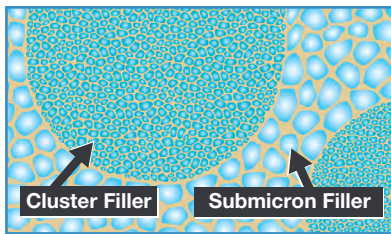


Fig. 5: SCHEMATIC PRESENTATION OF FILLER ARRANGEMENT

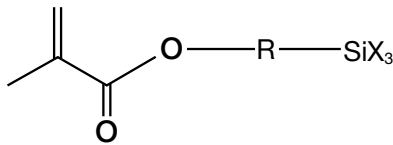


Fig. 6: SILANE COUPLING AGENT

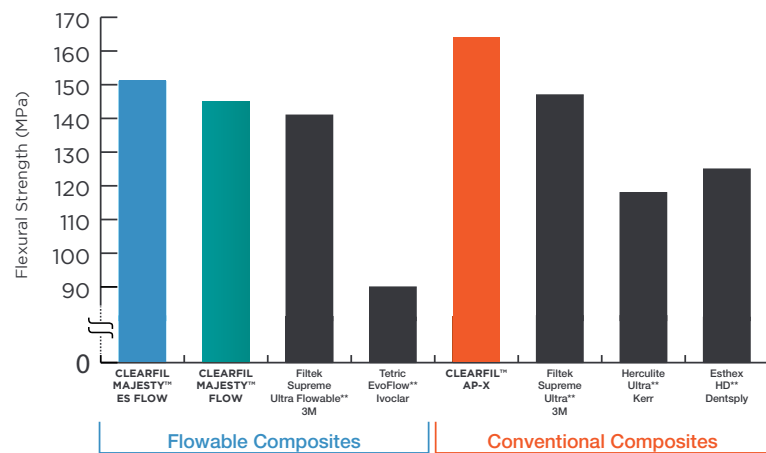


Fig. 7: FLEXURAL STRENGTH COMPARISON

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## SUPERIOR HANDLING & SCULPTABILITY

CLEARFIL MAJESTY™ ES Flow was designed with the best handling characteristics in mind. The shape and size of different fillers provide superior handling characteristics to the paste which improves handling (Fig. 8) and sculpting dramatically (Fig. 9).

These unique handling properties make it a non-sticky composite. In addition, the syringe has a special proprietary, internal design which minimizes air bubbles while dispensing.

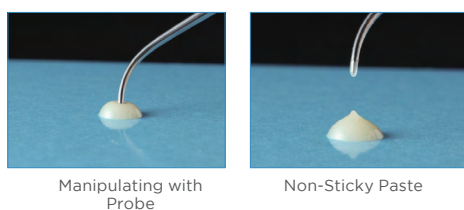


Fig. 8: PASTE HANDLING CHARACTERISTICS



Fig. 9: PASTE CONSISTENCY AFTER DISPENSING

# TRULY UNIVERSAL FLOWABLE COMPOSITE

The high polishability, high mechanical strength and ease of handling make CLEARFIL MAJESTY™ ES Flow easy to use with all cavity classifications. This unique flowable does not require a covering with conventional composite. The light diffusion property helps to blend the material with natural tooth structure, thereby helping clinicians make life-like restorations with just a flowable composite.

Example Restorations done with CLEARFIL MAJESTY™ ES flow



Photos courtesy of Dr. Hirofumi Tashiro



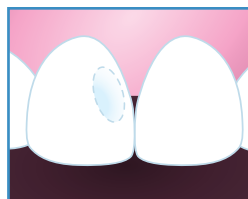
Photos courtesy of Dr. Munehiro Waki



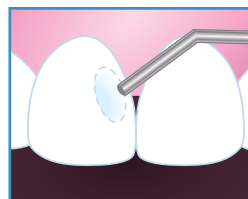
## CLEARFIL MAJESTY™ ES FLOW VS. CLEARFIL MAJESTY™ FLOW

Both were developed as universal flowable restorative composites; however, CLEARFIL MAJESTY™ Flow functions better as a lining material due to its exceptional radiopacity. The new CLEARFIL MAJESTY™ ES Flow functions better where high polishability and esthetics are needed, due to its simplified polishing and high gloss capability.

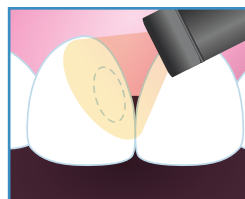
## EASY CLINICAL STEPS



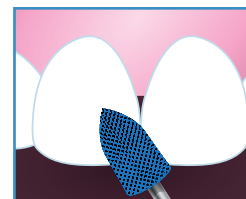
1. Prepare the cavity and apply bonding



2. Dispense and Sculpt CLEARFIL MAJESTY™ ES Flow



3. Light-Cure



4. Polish

## ORDERING INFORMATION



1x CLEARFIL MAJESTY™ ES Flow  
Syringe 2.7g/1.5mL  
15x Needle Tips

#3301-KA (A1)  
#3302-KA (A2)  
#3303-KA (A3)  
#3304-KA (A3.5)  
#3305-KA (A4)

#3306-KA (KA6)  
#3307-KA (B1)  
#3308-KA (B2)  
#3309-KA (XW)  
#3312-KA (W)



#3331-KA  
20x CLEARFIL MAJESTY™ ES Flow  
Needle Tip (N)



#3000-KA  
1x CLEARFIL MAJESTY™ ES-2  
Shade Guide

*CLEARFIL MAJESTY™ ES Flow is available in 10 shades and follows the same shade concept as CLEARFIL MAJESTY™ ES-2*

## YOUR CONTACT

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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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