

**kuraray**

Reduce Chairside Time with...

# ***CLEARFIL MAJESTY™ ES Flow***



**Superior Polish  
in Seconds!!!**

**Easy and  
Durable!!!**

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DENTAL LIGHT-CURED RESTORATIVE COMPOSITE

# CLEARFIL MAJESTY™ ES Flow



**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 some other flowable materials that require longer polishing (*Fig. 1*) or multiple steps.



## 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.



## POLISH RETENTION

Polish retention is one of the key features required for composite restorations. 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*).

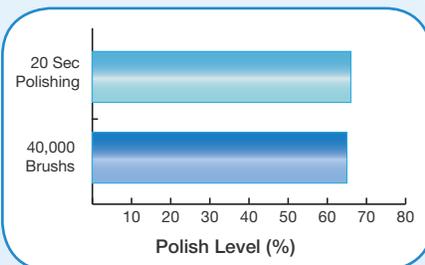


Fig. 3: HIGH POLISH RETENTION AFTER TOOTHBRUSH WEAR TEST

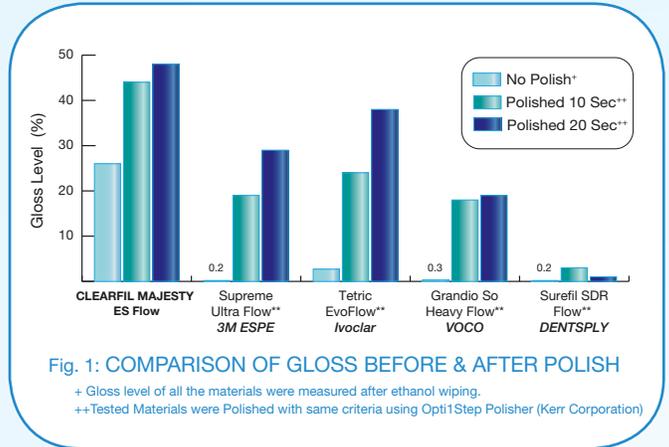


Fig. 1: COMPARISON OF GLOSS BEFORE & AFTER POLISH

+ Gloss level of all the materials were measured after ethanol wiping.  
++ Tested Materials were Polished with same criteria using Opti1Step Polisher (Kerr Corporation)

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Fig. 2: GLOSS AFTER WIPING WITH ETHANOL

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## UNIQUE SHADE SYSTEM

**CLEARFIL MAJESTY ES Flow** is available in 10 shades and follows the same shade concept as **CLEARFIL MAJESTY ES-2** (*Fig. 4*).



Fig. 4: CLEARFIL MAJESTY ES-2 SHADE GUIDE



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

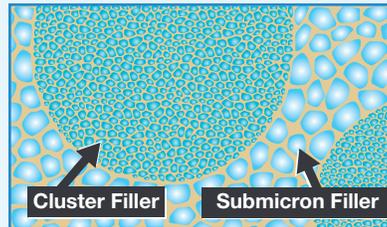


Fig. 5: SCHEMATIC PRESENTATION OF FILLER ARRANGEMENT

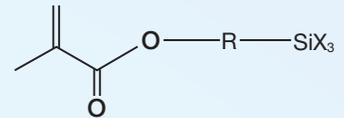


Fig. 6: SILANE COUPLING AGENT

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.

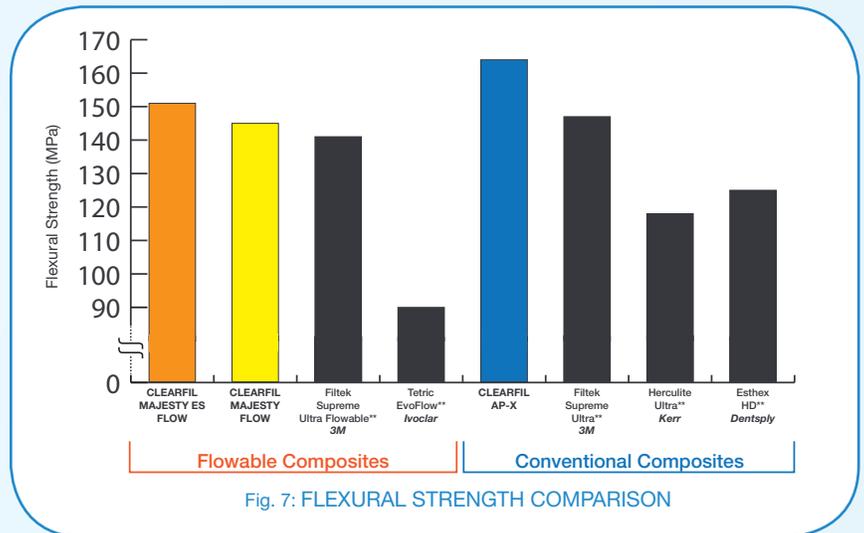


Fig. 7: FLEXURAL STRENGTH COMPARISON

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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.

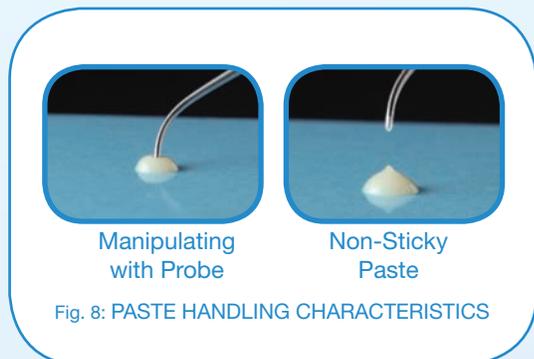


Fig. 8: PASTE HANDLING CHARACTERISTICS



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.



Photos courtesy of Dr. Hirofumi Tashiro

Photos courtesy of Dr. Munehiro Waki

EXAMPLE RESTORATIONS DONE WITH **CLEARFIL MAJESTY ES Flow**

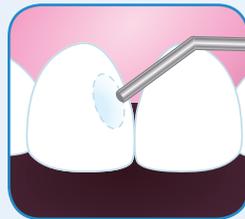
## CLEARFIL MAJESTY ES Flow VS. CLEARFIL MAJESTY Flow

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.

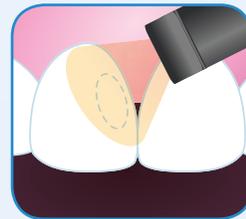
## EASY CLINICAL STEPS



1. Prepare the cavity and apply bonding



2. Dispense and Sculpt **CLEARFIL MAJESTY ES Flow**



3. Light-Cure



4. Polish

## ORDERING INFORMATION FOR CLEARFIL MAJESTY ES Flow



Each **CLEARFIL MAJESTY ES Flow** Syringe contains 2.7g (1.5 mL) and 15 Needle tips

Shade:	A1	A2	A3	A3.5	A4	KA6	B1	B2	XW	W
Code:	#3301KA	#3302KA	#3303KA	#3304KA	#3305KA	#3306KA	#3307KA	#3308KA	#3309KA	#3312KA

## ACCESSORY

Name:	<b>Needle Tip (N)</b>
Contents:	15 pcs
Code	#3331KA



**Warranty:** All data, other than from quoted articles herein, are based on actual measurements performed by Kuraray Noritake Dental Inc. Kuraray Noritake Dental Inc. will replace any product that is proved to be defective. Neither Kuraray Noritake Dental Inc. nor the distributor accepts liability for any loss or damage, direct, consequential or special, arising out of the application or use of or the inability to use these products. Before using, the user should determine the suitability of the products for the intended use and the user assumes all risk and liability whatsoever in connection therein. CLEARFIL MAJESTY™ ES Flow and Kuraray Noritake Dental Inc. products are available only through Kuraray Authorized dealers.