



**Filtek™**  
Supreme  
Flowable Restorative

# 3M™ Filtek™ Supreme Flowable Restorative FAQs

## General Questions:

### 1 Why is 3M introducing the new syringe systems for Filtek Supreme Flowable Restorative?

We introduced Filtek Supreme Flowable Restorative in a new syringe system to give customers the solutions that matter most to them (compared to the syringe system used by 3M™ Filtek™ Supreme Ultra Flowable Restorative), including virtually no bubbles during syringe application, ideal/excellent tooth prep access (and improved placement) from bendable metal cannula, virtually no waste from run-ons, and better overall comfort while using the syringe.

### 2 Why did 3M change the product name from Filtek Supreme Ultra Flowable Restorative to Filtek Supreme Flowable Restorative?

To better serve our customers worldwide, 3M is branding Filtek Supreme Ultra Flowable Restorative under the new global brand, Filtek Supreme Flowable Restorative. This helps ensure that the Filtek values are presented in a consistent manner in all markets and helps strengthen our communication with dentists worldwide.

## New Syringe Dispenser Questions:

### 1 What is the difference between the old and new syringe systems?

Compared to the old syringe systems in Filtek Supreme Ultra Flowable Restorative, the inner syringe design has been changed to the new syringe system in Filtek Supreme Flowable Restorative. This new design allows virtually no bubbles while applying the product and virtually no waste from run-ons. In addition, the new syringe systems feature bendable metal cannula, which allows for ideal tooth prep access and improved placement, and an enhanced, ergonomic syringe design, which allows for improved comfort and easier dispensing.

### 2 How does the syringe design reduce bubbles and “run-on”?

The new syringe design reduces the amount of bubbles and run-on in two key ways. First, a venting feature in the plunger design allows for air to escape the syringe during the filling process at our manufacturing site. This prevents air from becoming entrapped within the syringe, which can lead to air bubbles during dispensing and run-on or drool after use. Second, the tip is designed with a tapered inner wall that matches the taper angle of the syringe. The continuous and smooth tapered surface allows the pocket of air created with each new tip attached to be pushed out of the tip by the flow front of the paste. In the sharp-cornered previous design, this air could remain in the tip and break off during extrusion and come out into the restoration.

### 3 Is this syringe patented by 3M only?

3M holds design patents on the syringe, cap and tip.

### 4 How does the new plunger design help with the extrusion?

The larger plunger on the new syringe distributes the pressure exerted on your hand or thumb by 58%, resulting in increased comfort during extrusion. The extrusion force required to dispense the flowable is the same, but it feels easier and more comfortable, thanks to the new design.

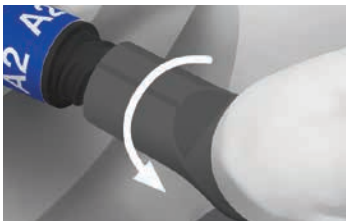
### 5 Could we use other manufacturers' flowable syringe dispensing tips with 3M™ Filtek™ Supreme Flowable Restorative syringes?

No, other manufacturers' flowable syringe dispensing tips won't fit Filtek Supreme Flowable Restorative syringes.

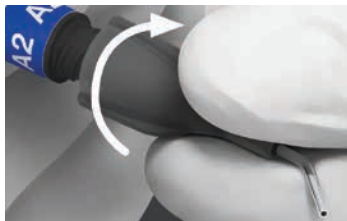
### 6 Does the cap need to be put back on the syringe after each use? Why?

Yes, used syringe tips should be discarded after each use to avoid the risk of cross-contamination. In addition, putting the cap back on the syringe after each use helps protect the shelf life of the material and facilitates

#### Before using the syringe:



Remove the cap.

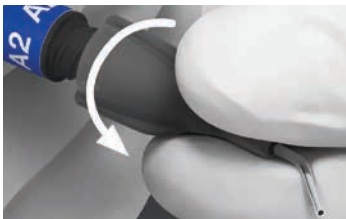


Attach the new tip.



Bend the cannula (optional).

#### After using the syringe:



Remove the tip.



Discard the dispensing tip.



Put the cap back on.

the cleaning and disinfection of the device. Please refer to the following step-by-step guide when using Filtek Supreme Flowable Restorative syringes.

### 7 Could we use old 3M™ Filtek™ Supreme Ultra Flowable Restorative dispensing tips with Filtek Supreme Flowable Restorative syringes?

No, the dispensing tip of Filtek Supreme Ultra Flowable Restorative is a luer-lock tip, which is NOT compatible with, and therefore, won't fit the Filtek Supreme Flowable Restorative syringes.

## 8 How do you properly disinfect the flowable syringe between patients?

To avoid contamination of the syringe during treatment, a standard dental protective sleeve should be used. We recommend using new, unused disposable gloves during all clinical applications for the syringe to reduce the risk of cross-contamination. Avoid contact between reusable parts (e.g., the body of syringe) and the patient's mouth. Always discard the used syringe tips after each use, and we recommend wiping the syringe with a ready-to-use cleaning/intermediate-level disinfecting wipe for the recommended contact time on the wipe label.

## 9 What is the gauge of the dispensing tips of Filtek Supreme Flowable Restorative?

The gauge of the dispensing tips of Filtek Supreme Flowable Restorative is 20, with the inner dimension of the metal cannula around 0.565 mm.

## 10 Why there are two different tip gauges between 3M™ Filtek™ Supreme Flowable Restorative and 3M™ Filtek™ Bulk Fill Flowable Restorative?

Filtek Supreme Flowable Restorative is sold with a 20 gauge dispensing tip while Filtek Bulk Fill Flowable Restorative is sold with a 19 gauge dispensing tip. The gauge size indicates the dimension of the metal cannula; the lower the gauge, the more space there is for material to flow through the cannula. Due to differences in filler technology, Filtek Bulk Fill Flowable Restorative has a rheology that makes it slightly more viscous to dispense than Filtek Supreme Flowable Restorative. Filtek Supreme Flowable Restorative has a 20 gauge tip because it is slightly easier to dispense. The difference in tip size accommodates differences in rheology, resulting in similar extrusion force for both Filtek Supreme Flowable Restorative and Filtek Bulk Fill Flowable Restorative.

## 11 Can the tips from Filtek Supreme Flowable Restorative be exchanged with tips from Filtek Bulk Fill Flowable Restorative?

The difference between tips between Filtek Supreme Flowable Restorative and Filtek Bulk Fill Flowable Restorative is the gauge size of the metal cannula. Both tips will fit the syringe; however, if you put a Filtek Supreme Flowable Restorative tip on the Filtek Bulk Fill Flowable Restorative syringe, the extrusion force will increase due to the smaller inner dimension of the metal cannula.

## Material Questions:

### 1 What types of fillers are used in Filtek Supreme Flowable Restorative?

The filler system used in Filtek Supreme Flowable Restorative is the same patented, exclusive nanofiller technology used in other Filtek Supreme products. This filler system is a combination of ytterbium trifluoride filler with a non-agglomerated/non-aggregated surface-modified silica filler, and a surface-modified aggregated zirconia/silica cluster filler. The inorganic filler loading is approximately 65% by weight (46% by volume).

### 2 What are the differences between Filtek Supreme Flowable Restorative and Filtek Bulk Fill Flowable Restorative?

Filtek Supreme Flowable Restorative features 12 esthetic shades while Filtek Bulk Fill Flowable Restorative features 4 shades. In addition, Filtek Bulk Fill Flowable Restorative allows for up to 4 mm depth of cure and is also indicated for core build-up where at least half the coronal tooth structure is remaining to provide structural support for the crown.

The two products also use different filler systems. The filler system used in Filtek Supreme Flowable Restorative is a combination of ytterbium trifluoride filler with a non-agglomerated/non-aggregated surface-modified silica filler, and a surface-modified aggregated zirconia/silica cluster filler. The major filler component in Filtek Bulk Fill Flowable Restorative is the zirconia/silica filler found in 3M™ Filtek™ Z250 Universal Restorative.

### 3 What is the shelf life of Filtek Supreme Flowable Restorative?

The shelf life of Filtek Supreme Flowable Restorative at room temperature is 24 months. Ambient temperature routinely higher than 27°C/80°F may reduce shelf life. Please see the outer package for expiration date.

### 4 What is the radiopacity of Filtek Supreme Flowable Restorative?

Filtek Supreme Flowable Restorative has a radiopacity with 170% equivalence to aluminum, or 1.7 times the ISO 4049 standard requirement.

### 5 What are the curing recommendations?

3M™ Filtek™ Supreme Flowable Restorative is compatible with the following curing lights:

- All halogen lights (with output 400 – 1000 mW/cm<sup>2</sup>)
- LED lights (with output 1000 – 2000 mW/cm<sup>2</sup>)

See the curing time recommendation below or within the Instructions for Use on how long to cure Filtek Supreme Flowable Restorative shades.

#### Cure Time

Shades	Increment Depth	All halogen lights (with output 400 – 1000 mW/cm <sup>2</sup> )	3M™ Elipar™ LED lights (with output 1000-2000 mW/cm <sup>2</sup> )
Opaque A3 Shade	1.5 mm	40 sec.	20 sec.
All Other Shades	2.0 mm	20 sec.	10 sec.

## Injection Molding/Warming Questions:

### 1 Can Filtek Supreme Flowable Restorative be used when injection molding composite?

Yes, along with other 3M Filtek composites (see below), Filtek Supreme Flowable Restorative has been extensively tested and was found both safe and effective for injection molding.

#### Testing Complete and Safe Warm Capsules



3M™ Filtek™  
Universal Restorative



3M™ Filtek™ Supreme  
Ultra Universal Restorative



3M™ Filtek™ One  
Bulk Fill Restorative

#### Testing Complete and Safe Warm Syringes



3M™ Filtek™ Supreme Flowable Restorative



3M™ Filtek™ Bulk Fill Flowable Restorative

## 2 Do the shades of Filtek Supreme Flowable Restorative match Filtek Supreme Ultra Universal Restorative and 3M™ Filtek™ Universal Restorative?

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Yes, the shades of Filtek Supreme Flowable Restorative match Filtek Supreme Ultra Universal Restorative as well as Filtek Universal Restorative.

## 3 Can you warm Filtek Supreme Flowable Restorative?

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Filtek Supreme Flowable Restorative can be warmed up to 70°C for one hour up to 25 times in commercially available composite warmer devices.

## 4 Why are dentists choosing to warm 3M™ Filtek™ Supreme Flowable Restorative?

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Warmed composites are more fluid for easier handling. Warming may also improve adaptation of Filtek Supreme Flowable Restorative to the tooth structure. Warming Filtek Supreme Flowable Restorative lowers the extrusion force by 46-52%.

## 5 Will warming Filtek Supreme Flowable Restorative affect its properties and performance?

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No, warming Filtek Supreme Flowable Restorative does not affect mechanical properties such as diametral tensile strength, flexural strength, depth of cure, flexural modulus, and color stability.



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