

ESTELITE UNIVERSAL FLOW FAQs

Ver.1.0 2017.11.07

Ver.1.1 2017.11.14

Ver.1.2 2017.11.15

Q1. What does “UNIVERSAL FLOW” mean?

ESTELITE UNIVERSAL FLOW is named “UNIVERSAL FLOW” because it can be used for all cavity classes such as universal-type composites and other application such as cavity lining by providing three flowability and improved esthetic, mechanical and handling properties.

Q2. What is the difference between ESTELITE UNIVERSAL FLOW and ESTELITE Flow Quick?

ESTELITE UNIVERSAL FLOW is the flowable composite that color matching and handling are improved from ESTELITE Flow Quick. ESTELITE UNIVERSAL FLOW is available three flowability options; Super Low, Medium and High. Other benefits are all inherited to ESTELITE UNIVERSAL FLOW from ESTELITE Flow Quick.

Q3. What is the difference between ESTELITE UNIVERSAL FLOW and PALFIQUE ESTELITE LV?

As RAP technology is introduced in ESTELITE UNIVERSAL FLOW, the curing time is shorter and the working time is longer than PALFIQUE ESTELITE LV. The handling is much improved.

Q4. What are indications for ESTELITE UNIVERSAL FLOW?

- Direct anterior and posterior restorations
- Cavity base or liner
- Blocking out cavity undercuts before fabrication indirect restorations
- Repair of porcelain/composite

Q5. What is the recommended light irradiation time for ESTELITE UNIVERSAL FLOW?

We recommend 10 seconds light irradiation with halogen or LED light curing unit having the light intensity of 800mW/cm² or over. Be sure to light-cure ESTELITE

UNIVERSAL FLOW extra-orally and check the time needed for complete hardening of ESTELITE UNIVERSAL FLOW with your light curing unit. See the table that illustrates the relationship between curing time and increment depth in the manufacturer's instructions for use (IFU). Increments should not exceed the indicated depth.

Q6. Can I shorten the curing time when using a high intensity curing light?

Yes. We recommend 5 seconds or more light irradiation with a high intensity curing-unit. See the table in the manufacturer's instructions for use (IFU). An adequate depth of cure is obtained even with 3 seconds on the data, however when the light irradiation time is shorter than 3 seconds, the clinical technique sensitivity will be higher, therefore we recommend 5 seconds or more.

Q7. What is the filler loading rate in ESTELITE UNIVERSAL FLOW?

ESTELITE UNIVERSAL FLOW contains spherical silica-zirconia filler and composite filler as shown following:

Super Low: 70% by weight, 56% by volume

Medium: 71% by weight, 57% by volume

High: 69% by weight, 55% by volume

Q8. What bonding agent should I use with ESTELITE UNIVERSAL FLOW?

We recommend "Tokuyama Universal Bond" or "Tokuyama Bond Force II". However, any bonding agent is compatible with ESTELITE UNIVERSAL FLOW.

Q9. What is the depth of cure for ESTELITE UNIVERSAL FLOW?

The recommended depth of cure is 2mm as a guide. However, it is important to always check your light and when using a material for the first time to read the manufacturer's instructions for use (IFU).

Q10. Is ESTELITE UNIVERSAL FLOW radiopaque?

Yes, ESTELITE UNIVERSAL FLOW is radiopaque. It is almost the same as ESTELITE Flow Quick.

Q11. Is ESTELITE UNIVERSAL FLOW a nano composite?

ESTELITE UNIVERSAL FLOW is technically a "supra-nano" composite. ESTELITE UNIVERSAL FLOW's filler is 200 nm (nano meters) in size, which means it

is larger than a nano but smaller than a micro. ESTELITE UNIVERSAL FLOW offers excellent physical properties, while it is easy polished with minimal effort and allows for long-lasting gloss retention.

Q12. What is the flowability of ESTELITE UNIVERSAL FLOW?

ESTELITE UNIVERSAL FLOW provides three flowability options, and it is selectable of the best flowability for a patient and a case.

Q13. How should I use the different flowability of ESTELITE UNIVERSAL FLOW?

Although there is no particular limitation, we recommend following:
“Super Low” has low flowability, non-slumping, non-running and precision stacking properties, especially suitable for class III, IV and occlusal restoration. “Medium” has medium flowability, high versatility, less slumping and less running properties, suitable for all restoration. “High” has high flowability, easy placement property, especially suitable for small cavities and serving as a cavity liner.

Q14. What polishing kit should I use with ESTELITE UNIVERSAL FLOW?

Any polishing kit will work great with ESTELITE UNIVERSAL FLOW, just remember not to work too hard at polishing.

Q15. How should ESTELITE UNIVERSAL FLOW be stored?

The recommended temperature range for storage of the material is 32 - 77°F (0 - 25°C).

Q16. How is the handling of ESTELITE UNIVERSAL FLOW improved?

ESTELITE UNIVERSAL FLOW paste is easier to apply with low extrusion pressure from syringe than ESTELITE FLOW QUICK. The extrusion pressure is 60% reduced compared with ESTELITE FLOW QUICK. As the paste stickiness is very low, the handling is getting easier.

Q17. Is ESTELITE UNIVERSAL FLOW fluorine releasable?

No.

Q18. Can I store it in refrigerator?

Yes. However, in order to avoid hard extrusion pressure because of cold hardened paste, it is recommended to leave it at room temperature (18-30°C) for 15

minutes or more.

Q19. Why smaller number of shades is available for ESTELITE UNIVERSAL FLOW than ESTELITE FLOW QUICK?

As ESTELITE UNIVERSAL FLOW has a strong blending effect, the color matching range is wide. Therefore, even smaller number of shades, it can fit a wide range of natural teeth color.

Q20. Is the color of ESTELITE UNIVERSAL FLOW the same as ESTELITE FLOW QUICK?

No. The shade colors of ESTELITE UNIVERSAL FLOW are slightly lighter color than ESTELITE FLOW QUICK. It is tuned close to VITA shade guide and ESTELITE SIGMA QUICK, different from those of ESTELITE FLOW QUICK.

Q21. Does ESTELITE UNIVERSAL FLOW have shade guide?

Yes.

Q22. What is the outer diameter of the nozzle tip of ESTELITE UNIVERSAL FLOW?

It is 0.9mm (Gauge: 20G).

Q23. Why is ESTELITE UNIVERSAL FLOW strong enough for use in all cavities while most other flowable composites do not make this claim?

ESTELITE UNIVERSAL FLOW exhibits excellent mechanical properties including outstanding flexural strength, compressive strength and wear resistance. The strength surpasses many conventional composites and is due to the high loading rate of the combination of supra-nano spherical filler and newly developed composite filler.