

CLEARFIL™ Universal Bond Quick

FAQ



CLEARFIL™ Universal Bond Quick

GENERAL

What is CLEARFIL™ Universal Bond Quick?

CLEARFIL™ Universal Bond Quick is a light curing bonding agent that allows the treatment of dentine, enamel, and prosthetic materials. CLEARFIL™ Universal Bond Quick does not need any waiting time, extensive rubbing or multiple layer application. Depending on the indication, the bonding is used as self-etching or with K-ETCHANT Syringe for selective enamel etching or total-etching procedures. CLEARFIL™ Universal Bond Quick is intended to be used for both direct and indirect restorations.

What are the clinical indications for CLEARFIL™ Universal Bond Quick?

“CLEARFIL™ Universal Bond Quick” is indicated for the following uses:

- 1) Direct restorations using light-cured composite resin*
- 2) Cavity sealing as a pre-treatment for indirect restorations*
- 3) Treatment of exposed root surfaces*
- 4) Treatment of hypersensitive teeth*
- 5) Intraoral repairs of fractured restorations*
- 6) Post cementation and core build-ups*
- 7) Cementation of indirect restorations*

What are the contraindications for CLEARFIL™ Universal Bond Quick

Patients with a history of hypersensitivity to methacrylate monomers and this product.

What are the main differences between CLEARFIL™ Universal Bond and CLEARFIL™ Universal Bond Quick?

- 1. Application: There is no waiting time after application with CLEARFIL™ Universal Bond Quick. Just apply with a rubbing motion to the entire cavity wall with the applicator brush. CLEARFIL™ Universal Bond should be rubbed in for 10 seconds.*
- 2. Complete new chemistry consisting of a new amide monomer which is more stable and less water absorption.*

Is there any difference in bond strength between CLEARFIL™ Universal Bond and CLEARFIL™ Universal Bond Quick?

The bond strength of CLEARFIL™ Universal Bond Quick to dentine is likely to be higher and even more stable as a result of the usage of a new amide monomer.

Does CLEARFIL™ Universal Bond Quick replace CLEARFIL™ CERAMIC PRIMER PLUS and ALLOY PRIMER?

Since CLEARFIL™ Universal Bond Quick contains both silane and MDP, indirect materials and existing composite restorations that are compatible with these two substances can be pre-treated with CLEARFIL™ Universal Bond Quick. The use of CLEARFIL™ Ceramic Primer Plus is recommended for the pre-treatment of glass ceramic indirect dental prostheses. CLEARFIL™ Universal Bond Quick is not suitable as a pre-treatment agent for precious metals; Alloy Primer is still required for those.





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Is there any difference in bond strength between CLEARFIL™ SE Bond and CLEARFIL™ Universal Bond Quick?

CLEARFIL™ SE Bond has a long clinical history. Although bond strength seems to be an important value, longevity of a durable bond is the most important measurement for clinical success. In this case, the comparison between CLEARFIL™ SE Bond and CLEARFIL™ Universal Bond Quick, we still see a slightly higher bond strength for SE Bond. On the other hand, the chemistry of CLEARFIL™ Universal Bond Quick is such that we can expect the same longevity results of UBQ vs SE Bond.

Which etch mode do I need to use with CLEARFIL™ Universal Bond Quick?

Depending on the indication, the bonding is used as self-etching or with K-ETCHANT Syringe for selective enamel etching or total-etching procedures.

Does CLEARFIL™ Universal Bond Quick contain MDP?

Yes, CLEARFIL™ Universal Bond Quick contains MDP and being in use for more than 20 years, the MDP has a proven excellence in adhesion.

For CLEARFIL™ SE bond we have to wait 20 sec. for the primer to do the dissolving and bonding. Why is there such a big difference?

It is the new amide monomer which is mainly responsible for an improved penetration speed into tooth tissue. The hydrophilicity of this monomer is much higher than the regular used HEMA. This ensures a better penetration into the moist dentin. This new monomer also polymerises better, and after polymerisation it is more stable in a wet environment due to its hydrophobicity. In combination with MDP, an efficient long term can therefore be achieved.





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PRODUCT FEATURES

What is the pH of CLEARFIL™ Universal Bond Quick?

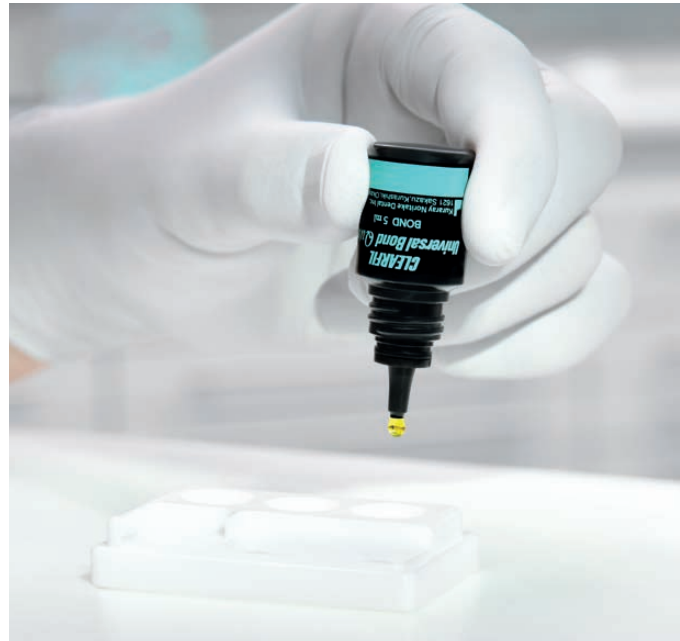
2.3

How many applications are in a bottle of CLEARFIL™ Universal Bond Quick?

260 applications

Is CLEARFIL™ Universal Bond Quick radiopaque?

No.



What is the maximum film thickness of CLEARFIL™ Universal Bond Quick after light curing?

The film thickness is 5-10 μm . In comparison, highly filled bonding agents like Optibond FL can have a film thickness up to 50 μm .

What is the shelf life?

3 years after production.

What are the storing conditions?

CLEARFIL™ Universal Bond Quick must be stored at a temperature of 2 to 8 degrees Centigrade when not in use. When CLEARFIL™ Universal Bond Quick is stored in the refrigerator, it should be left at room temperature for more than 15 minutes before each use.

CLEARFIL™ Universal Bond Quick needs to be stored in the refrigerator. What if I forget at the end of the day to store the product in the fridge?

To assure the best possible quality and have a 100% quality even after 3 years, which is the shelf life, we recommend to store CLEARFIL™ Universal Bond Quick in the fridge. In case the product is not stored in the fridge for one or more days, this does not influence the quality. When storing outside the fridge, extreme conditions have to be avoided like high temperatures.

Is it necessary to shake the bottle of CLEARFIL™ Universal Bond Quick?

No shaking is necessary. If the product has not been used for some time, it is advisable to shake the bottle before use.

How is CLEARFIL™ Universal Bond Quick supplied?

CLEARFIL™ Universal Bond Quick is available in both Bottle (5 ml) and Unit Dose (0.1 ml) delivery systems.



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PRODUCT FEATURES

Which solvents are used in CLEARFIL™ Universal Bond Quick?

Ethanol and water are used as solvents.

What is the total working time of CLEARFIL™ Universal Bond Quick?

Bottle: Use the light-blocking plate to avoid exposing the material to an operating light or ambient light, and use within the working time indicated below after dispensing or mixing.

Material	Working time
BOND	7 minutes
BOND + CLEARFIL™ DC Activator	90 seconds

Unit Dose: Apply BOND with the applicator brush immediately after snapping off the container cap.

Can you explain how the smear layer can be dissolved and an effective bonding to the dentine can be established even though there is no waiting time?

At least 3-5 seconds are spent for taking air syringe in one hand after applying the bond. Within this 3-5 seconds, smear layer could be dissolved. But according HQ, it works even with real-zero-waiting-time condition, though there is a little decline in bond strength. The air blowing may be accelerating the dissolution of the smear layer. We utilize a complete new monomer technology. We call this rapid bond technology. Our monomers penetrate much faster than existing, in industry used slow monomers. In the few seconds our bonding agent stays on the dentine, it will dissolve the smear layer and give a good bond strength. Follow for the best result the instructions for use.

Do I need to light-cure CLEARFIL™ Universal Bond Quick?

Yes, light-cure for 5-10 seconds, depending on the output of the polymerization device.



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COMPATIBILITY

Is CLEARFIL™ Universal Bond Quick compatible with an EDTA pre-treatment in root canals?

After proper rinsing and drying, CLEARFIL™ Universal Bond Quick can be utilized in the root channel according to the instruction for use.

Is a separate primer or activator needed when using CLEARFIL™ Universal Bond Quick for cementation or core build up?

In combination with CLEARFIL™ DC Core, a separate primer or activator is not needed. With non-Kuraray core build up materials, it is necessary to use a special activator for those areas where light polymerization is not possible.

Can CLEARFIL™ Universal Bond Quick be used for porcelain repair?

Yes. Bonding with glass can be achieved through the silane that is contained in CLEARFIL™ Universal Bond Quick.

Can CLEARFIL™ Universal Bond Quick be made dual cure?

With the usage of the special CLEARFIL™ DC Activator, CLEARFIL™ Universal Bond Quick will be dual cured as well. In case of usage with CLEARFIL™ DC Core, CLEARFIL™ DC Activator is not needed.

Can CLEARFIL™ Universal Bond Quick be used with other brand composites?

CLEARFIL™ Universal Bond Quick can be used with most existing composite materials. In case of doubt, check the instructions for use or contact our technical team.

Can CLEARFIL™ Universal Bond Quick be used with compomers?

Yes, CLEARFIL™ Universal Bond Quick can be used with most existing composite materials. In case of doubt, check the instructions for use or contact our technical team.

Can CLEARFIL™ Universal Bond Quick be used with bulk fill composites?

Yes CLEARFIL™ Universal Bond Quick can be used with most existing bulk fill materials. In case of doubt, check the instructions for use or contact our technical team.

What happens when I use an extra silane coupling agent or alloy primer in combination with CLEARFIL™ Universal Bond Quick

The composition of these materials is suited to combine with each other. To apply an additional silane or alloy primer is not necessary and it will not create an additional improvement.

What happens when I use a DC activator from a different brand in combination with CLEARFIL™ Universal Bond Quick

The results will definitely be less good. We strongly discourage this. The composition of CLEARFIL™ Universal Bond Quick is not designed for use with activators other than CLEARFIL™ DC Activator.

Can I use CLEARFIL™ Universal Bond Quick with RelyX Ultimate or other adhesive cements?

This depends of course on the indication. To be sure, read the instructions for use or call our technical team. In cases where this is possible, a mixture of CLEARFIL™ Universal Bond Quick and DC Activator must always be used.

Can I use CLEARFIL™ Universal Bond Quick instead of the adhesive or the primers of CLEARFIL™ REPAIR KIT?

Yes, this is possible. Read the instructions for use for the proper procedure.





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ADDITIONAL

What are the advantages of CLEARFIL™ Universal Bond Quick versus other universal adhesives?

CLEARFIL™ Universal Bond Quick has excellent curing properties, enabling a good cross link into the bonding. The result is a strong adhesive that creates a lasting, durable bonding layer that is highly resistant to moist.

Exceptional levels of adhesion also result in a bond that lasts with minimal risk of remedial work in the future. And, because there's no need to wait before you go ahead, procedures take less time than with most other available bondings, benefiting both patient and practitioner.

This will take away the "operator's" influence on the end result of the restoration. If the various waiting times, the multiple layers or the extensive rubbing are not followed according to the manufacturers IFU, the end result might be less than expected.

It is surprising how difficult the usage of the competing materials is. Check for this the special overview sheet with the shortened IFU's of CLEARFIL™ Universal Bond Quick and competitors bonding agents.

What is the difference between CLEARFIL™ Universal Bond Quick and a 1-bottle adhesive system

Currently, no other manufacturer offers an adhesive system with such a short procedure time.

Is CLEARFIL™ SE Bond still the Golden Standard?

The title for Golden Standard can only be achieved based on long term clinical results. We have to wait patiently to watch the performance of CLEARFIL™ Universal Bond Quick. We have already started a longevity research on CLEARFIL™ Universal Bond Quick in Class V.

I often hear that the self-etch adhesive bonds less than the total etch systems, is it true?

This is not correct. The phosphoric acid step in the total etch system demineralizes the dentine, which means that it removes the hydroxyapatite (HAp) that protects

the collagen and is now exposed. In addition, MDP bonds with hydroxyapatite rapidly and in a stable way within the self etch procedure. Therefore, a self etch system is preferred for usage on dentine.

Would you like to provide me with an independent research showing the bonding performances of the system?

In our SPI (scientific product information) you can find various independent research articles on CLEARFIL™ Universal Bond Quick .

What's the advantage of earning a few seconds in a life time?

The importance is not the few seconds to earn but the problem with the waiting time is that it might vary from case to case/ material to material. This causes uncertainty with the user. With CLEARFIL™ Universal Bond Quick the procedure is always the same and the bonding results are not negatively influenced by variations (mistakes) in the waiting time, rubbing time or multiple application layers. Results with CLEARFIL™ Universal Bond Quick are therefore reproducible and predictable.

I've been using bonding X since a couple of years and I really don't have any troubles. Why do I need to change?

CLEARFIL™ Universal Bond Quick is the most modern adhesive systems with the best adhesive technology.

How high is the HEMA content of our bondings and the most important ones of the competition?

HQ does not disclose the amount of each components in detail, and competitors as well. The SDS shows the content range; CLEARFIL™ Universal Bond: 10-35%, Scotchbond Universal: 15-25%, AdheSE Universal; 20-25%. We can say the content of HEMA of our new bond is about one third of that of CLEARFIL™ Universal Bond. Please keep in mind that there are many HEMA-free bondings in the market.



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