

Clarity Attachment Material - FAQ



Composition

Q: What is Clarity Attachment Material?

A: It is a new orthodontic material delivered via a proprietary syringe design that supports the creation of bubble-free, aesthetic, durable attachments for aligner therapy.

Q: How viscous is Clarity Attachment Material? Is it high-viscosity or low-viscosity?

A: Clarity Attachment Material dispenses from the proprietary syringe like a flowable, but it resists slumping and stays in place like a paste.

Q: Is Clarity Attachment Material flowable?

A: Yes, the adhesive contains a rheological modifier that gives it unique flowable characteristics. It is very soft when extruding from the syringe, but is very stable when placed in the attachment template.

Q: Is Clarity Attachment Material nano-filled?

A: Yes, the material contains a nanofiller which gives Clarity Attachment Material excellent strength, flow and wear properties. The adhesive contains a combination of silica and zirconia nanofillers at a variety of particle sizes, from 5 to 75 nm.

Q: Is Clarity Attachment Material stain-resistant?

A: Clarity Attachment Material offers superior stain-resistance compared to many leading competitors for commonly staining liquids (e.g., red wine, coffee, pasta, etc.).

Q: What are the available shade(s) for Clarity Attachment Material?

A: It's offered in a universal shade that blends with most natural tooth shades.

Q: How should the Clarity Attachment Material be stored?

A: As a light-cured material, Clarity Attachment Material should be stored away from direct light, stored in conditions between 2-27°C (35-80°F) and used at room temperature 20-25°C (68-77°F).

Attachment Creation

Q: What aligner systems can Clarity Attachment Material be used with?

A: Clarity Attachment Material has been tested with template materials commonly used in aligner systems.

Q: How should I cure Clarity Attachment Material through an attachment template?

A: The material can be cured with any high intensity curing light that emits light in the 450 to 470 nm range. When curing the material over an attachment template, the curing tip must be held flush against the template.

Q: Is Clarity Attachment Material moisture tolerant?

A: No, the material is not moisture tolerant prior to curing.

Q: Clarity Attachment Material dispenses virtually bubble-free. Why do bubbles matter when creating attachments?

A: Bubbles may lead to a void in the attachment which, over time, may accumulate biofilm and unsightly staining leading to poor aesthetics.

Q: How should the teeth be prepared for creating attachments with Clarity Attachment Material?

A: The tooth surface should be clean and free of gross plaque and salivary pellicle. Standard etching techniques of phosphoric acid should be used. Alternatively, teeth can be treated with Transbond™ Plus Self Etching Primer after cleaning the teeth.

Q: Can Clarity Attachment Material be used with Clarity™ Precision Grip Attachments?

A: The material should NOT be used to bond Clarity Precision Grip Attachments. However, Clarity Attachment Material can be used in any attachment template to complement existing/previously formed attachments.

Q: Can Clarity Attachment Material be used to pre-fill attachment templates in advance of appointments?

A: Clarity Attachment Material can be employed to pre-load and create attachments in advance by up to 4 days. It is important to store pre-filled attachments in a container that provides protection from ambient light.

Q: How many attachments can Clarity Attachment Material support?

A: The number of attachments that can be created varies. A 2g syringe can create more than 200 attachments.

Q: Is Clarity Attachment Material compatible with other syringe tips?

A: No, the proprietary syringe only supports compatible tips designed for Clarity Attachment Material.

Q: Is it difficult to remove attachments created with Clarity Attachment Material?

A: Attachments created using this material can be removed using a hand-piece or other commonly used tools to remove attachments. The removal process is the same as with any other composite attachments.

Q: What can you share about pricing for Clarity Attachment Material?

A: The solution will be priced competitively. Your sales representative can provide you with additional details on pricing.

Other Applications

Q: Can Clarity Attachment Material be used to direct bond brackets?

A: While the strength of Clarity Attachment Material is adequate for direct bonding, most clinicians will find that the flowable nature of the material is not optimised for direct bonding.

Q: Can Clarity Attachment Material be used to indirectly bond metal and ceramic brackets?

A: Yes, the material can be used to indirectly bond orthodontic brackets if desired.

Q: Is Clarity Attachment Material compatible with all 3M orthodontic primers?

A: Yes. Clarity Attachment Material has been tested in the laboratory and found to be compatible with Transbond™ XT Primer, Transbond™ MIP Primer and Transbond™ Plus Self Etching Primer.



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*Clarity Precision Grip Attachments, our 3D-printed, pre-cured attachment solution is only available in select markets.

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