3M Science. Applied to Life.™

3M™ Polyether Adhesive
Product Update

	Old Product	New Product
Product name	3M ESPE Polyether Adhesive	3M Polyether Adhesive
Refill Pack	1 bottle 17 ml Red cap	1 bottle 17 ml Red cap (unchanged)
Order Code	30600	30600 (unchanged)
11-digit code	70201109975	70201144394

General FAQs

What are the Indications?
Can be used for all kinds of impression trays (made of metal, polypropylene, or methacrylate) in combination with 3M polyether impression materials.

Is the adhesion (performance) of the new adhesive the same as that for the old adhesive?
Yes. The performance is the same or even better.

Why did the formulation change?
The supplier of the raw material discontinued delivery. The new formulation with new ingredients shows same or improved adhesion.

Adhesive contains:
Adhesive resin, solvent, pigment

What is the difference between the old and the new Polyether Adhesive?
The unavailability of certain ingredients forced us to change the formulation. You might observe a change in viscosity, smell, and color. You can still count on the same adhesion performance.

Why did the color change?
The new solvent required a change of the pigments.

Why does the adhesive smell different than the old one?
Due to the change of the solvent used.

We have observed an increased viscosity compared to the old Polyether Adhesive. Is this by design and does this have an effect on the performance?
Yes, there is a slight increase in viscosity but the performance is unaffected.

What is the difference between the VPS Tray Adhesive and the Polyether Adhesive?
VPS Tray Adhesive is only indicated to be used with VPS impression materials. Polyether Adhesive is only indicated to be used with 3M polyether impression materials.

General FAQs continued

What is the toxicity? What is the allergic potential?
Biocompatibility is guaranteed. The adhesive does not contain ingredients with high allergic potential.

Application FAQs

Can the new Polyether Adhesive be used with all kinds of impression trays?
Yes, it can be used with all kinds of impression trays – metal or plastic, stock and custom trays.

Can the Polyether Adhesive be used for VPS materials?
No, please use the respective adhesive

Do you have single use brushes for the application of the adhesive?
No, but single use brushes are available from your dental supplier (e.g. from Henry Schein).

What is the optimal drying time?
To ensure optimal adhesion, the recommended drying time is at least 1 min, i.e. the drying time is slightly increased compared to predecessor product.

Why did the drying time change? What are the new drying times?
The drying time is dependent on the solvent used. Due to the reformulation we are using a different solvent. To ensure optimal adhesion, the recommended drying time is at least 1 min.

Will gentle air blowing shorten drying time?
Gentle air blowing might accelerate drying and won't affect the performance negatively.

Does the drying time depend on the temperature?
The times given in the IFU are valid for all usual ambient conditions.

Can the adhesives be used for soft relining?
No, the material is not indicated for this usage.

Are there any specifics in handling compared to the predecessor product?
Especially, follow the instructions concerning drying time of at least 1 minute. Despite the increased viscosity, pay attention to apply just a thin layer of adhesive. Thick layers won't increase the adhesion performance and result in prolonged drying times.

The performance of the adhesive seems to be generally poor. It doesn't hold the impression in the tray. Are there options to improve?
Recommendation: Prepare the trays directly prior to usage to get the best adhesion performance. Applying a second thin layer leads to an improved adhesion performance.

Application FAQs continued

What needs to be considered for custom trays?

- Be sure to remove the smear layer, especially for methacrylate custom trays. That can be cleaned off with alcohol.
- Make sure the surface is dry before applying the adhesive. A gentle air stream could accelerate the drying.
- The bonding can be improved by roughening the surface of the custom tray. Air abrasion or finishing with sand-paper are suitable approaches.
- The doctor could also try additional methods for mechanical retention.
- Be sure to clean the tray after try-in with ethanol.
- Apply just a thin and homogeneous layer of adhesive. Be sure to avoid pooling, and allow it to dry for at least 1 minute.

How should re-usable impression trays be cleaned? Do you have any specific recommendations for the cleaning of the tray?
The easiest is to brush or peel off the adhesive under running water.
Use acetone to remove any remaining adhesive residues. Solvent products for tray cleaning which are offered by other manufacturers might also be helpful, e.g. Pluraclean Orange (Pluradent) or Solitine (Kerr) work fine. Solutions which are offered to be used with ultrasonic baths don't make cleaning easier in that case.

How should (meth)acrylate based materials be cleaned?
Peel off the adhesive under running water with your fingers or alternatively with a brush. If you work with milling tools, keep the tool moist to prevent the adhesive from sticking to the tool.

How is the adhesive cleaned from clothing?
Removal without any residues cannot be guaranteed.

How is the adhesive cleaned from a table or other surface?
Clean with ethanol but removal without any residues cannot be guaranteed.

What are first aid measures after contact with skin?
Wash immediately with water and soap. Change contaminated clothing.

Are there any pre-cautions?
The adhesive is highly flammable. Avoid static electricity build-up. Keep away from heat, sparks, open flames and other ignition sources.

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Storage FAQs

How long will one bottle last? (How many applications are in one bottle?)
In average, the amount of one bottle should be enough for about 30 full arch impressions.

What is the shelf life?
24 months

Why is the shelf-life reduced? What happens if I keep it beyond the expiration date?
3M offers a shelf life of 2 years but cannot guarantee a sufficient performance beyond the expiration date.

Can the adhesive be stored in the fridge? What are the best storage conditions? What happens if it is stored accidentally under wrong conditions?
Defined storage conditions: 15-25 °C (59-77 °F)
Stay within the storage conditions in order to avoid damage of primary packaging caused by increased solvent gas pressure.
Storage below 15 °C is less critical.

Why does the viscosity change over time?
Viscosity does not change over time if appropriately stored. Make sure to carefully close the bottle tightly after each use to avoid evaporation of solvent.

What happens if the adhesive dries out? Is it possible to add solvent to re-thin? Is it possible to mix the contents of different bottles?
Discard residues and dried-out bottles. Do not try to add solvent again. Store only in original bottle and keep bottle closed until and directly after usage.

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