

3M ESPE

Protemp 4 – Временный материал

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- **Материал пену проtezати temporare**
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Navod na uporabu
Upute za upotrebu
Használati utasítás
Instrukcja uzycia
Instrucțiuni de utilizare

3M ESPE AG

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St Paul, MN 55444-1000
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ENGLISH

Product Description
Protemp™ 4, manufactured by 3M ESPE, is a composite material for the fabrication of temporary restorations of the esthetic shade. Based on full-functional methacrylic resin esters, this material has the same material properties and is available in the following colors: A1, A2, A3, B3, Bleach. With the Garant™ Dispenser, manufactured by 3M ESPE, the material can be applied directly from the cartridge without the need for Protemp™ 4 temporary restorations can be modified and individualized using low-viscosity composite (e.g., from the Filtek™ Flowable Composite product manufactured by 3M ESPE).

For Details on all mentioned products please refer to the corresponding Instructions for Use. Instructions for Use should not be discarded for the duration of product use.

Application Areas
Fabrication of temporary crowns, bridges, inlays, onlays and veneers
Fabrication of temporary temporaries
Lining material for prefabricated temporary crowns made of composite (e.g., Protemp™ Crown, manufactured by 3M ESPE) and metal (e.g., Iso-Form sputum, manufactured by 3M ESPE).

Preparatory Work
Take an adequate, standard or polyether impression from the intact root of tooth (e.g., using a silicone or polyether mold).
– In case of an impression, a laboratory-made vacuum-formed template (e.g., for single crowns, a prefirmed crown can be used for shaping.
▶ Enhance the temporary restorations, including deepening interproximal grooves in the impression. If required due to light spacing conditions, enlarge the relevant slots by cutting.
▶ After the replacement material has cured, remove the index.
▶ With missing teeth and gaps in the molar area, set a groove in the impression to produce a stable, bar-attached connection in the temporary restoration.
▶ Incentric, prior to taking the impression close any gaps between front teeth with denture teeth acting as spacers; interlock multiple denture teeth with wax.

Cleaning of the Garant Dispenser
▶ Remove the Garant™ cartridge.
▶ Remove paste that has not set using an alcohol-soaked cloth.
▶ Clean the Garant™ handle and barrel with acetone at a temperature of 15–25 °C (59–77 °F); remove the bumper beforehand.
▶ Gutaraldehyde-based solutions can be used for disinfection.

Storage and Stability
▶ Store in the original container at 15–25 °C (59–77 °F). Do not store in the refrigerator.
▶ Do not use after the expiration date.

Customer Information
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Warranty
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Information valid as of: February 2008

Times
00:00–00:40 min:sec Place Protemp™ 4 in the impression and reposition for 20 seconds.

00:40–01:40 min:sec Setting in the mouth

01:40–02:50 min:sec Best point in time for removal of the impression

Up to 05:00 min:sec Complete setting

From 05:00 min:sec Removal of the temporary restoration from the patient's mouth

The processing times are applicable to products which have been stored and processed at a temperature of 23 °C/74 °F and at 50% relative humidity. Higher temperatures shorten these times, while lower temperatures extend them.

Dosing and Mixing
The pastes are dosed and stratified blue in the Garant dispenser. Use the enclosed Garant™ Mixing Tips (mix) Garant Mixing Tips are manufactured for 3M ESPE.

During the initial shaping
▶ Remove and discard the cartridge lid. Under no circumstances should the cartridge lid be used to smear the cartridge as this could result in air bubble inclusion.
▶ Check whether the tip applied for cartridge openings are free from obstruction and remove obstructing material, if any, with a suitable instrument.
▶ Before a mixing tip is applied for the first time, squeeze paste out onto a mixing block which has been placed on the same. Discard the block which has been soiled.

Application
▶ Place the material a certain amount of time to emerge from the newly attached mixing tip. The flow of material is interrupted as soon as the pressure on the handle is released. Material that has set inside the mixing tip should not be extruded by force, as this may damage both the cartridge and the mixing tip.

Finishing
▶ Completely remove the smear layer produced by the oxygen in air using alcohol (e.g., ethanol) once the material is completely cured (not earlier than 5 minutes after the onset of mixing).
▶ Use a suitable instrument to finish the temporary restoration using the carbide burs.
▶ Do not treatle polishing with tooth. Use mouth protective device, safety glasses and aspiration.

Individualization/Shape Correction
Using a Filtek™ Flowable Composite Protemp™ 4 for custom-shaping and shape correction there usually is no need for a bonding agent. If you intend to use other products, please refer to the pertinent manufacturer's Instructions for Use.

Compatibility
▶ Flowable composites (e.g., from the Filtek™ Flowable Composite product line A1, A2, A3, B3, Wax Blend),
▶ Fleasque composite with the corresponding Instructions for Use!

Application of a Filtek Flowable Composite to New Temporary Restorations
In newly manufactured temporary restorations, the Filtek Flowable Composite can be applied either to the finished surface of the unfabricated, but clean, initiation layer. Bonding is excellent in either situation. In the case of an already finished surface, the temperature of the surface should be reduced to room temperature before application. The temperature of the surface should be reduced to room temperature before application.

Application of a Filtek Flowable Composite to Existing Temporary Restorations That Were In Use
▶ Thoroughly clean the surface of the temporary restoration with rotary instruments.
▶ Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ For reasons of hygiene, dose the Filtek Flowable Composite from the Dispenser onto a mixing pad.

Use each layer separately with light for 20 sec each.
▶ Trim the composite with carbide burs and polish, e.g., with So-Lex™ tooth polishes, manufactured by 3M ESPE.

Application of Filtek Flowable Composite to Temporary Restorations That Were In Use
▶ Thoroughly clean the surface of the temporary restoration with rotary instruments.
▶ Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ For reasons of hygiene, dose the Filtek Flowable Composite from the Dispenser onto a mixing pad.

Use each layer separately with light for 20 sec each.
▶ Trim the composite with carbide burs and polish, e.g., with So-Lex™ tooth polishes, manufactured by 3M ESPE.

Lining of Prefabricated, Temporary Crowns Made of Composite and Metal
Core builds-ups which are fabricated using composites, composites, or resin-modified glass-ionomer cements must be sealed off before the application of Protemp™ 4, e.g., using Vaseline.
▶ Shape and prefabricate the temporary composite crown (e.g., Protemp™ Crown, manufactured by 3M ESPE) completely.
▶ Please comply with the corresponding instructions for use!

Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ Apply Protemp™ 4 to the prefabricated, temporary crown; use Application™.
▶ Place the prefabricated crown on the prepared tooth.
▶ The material remains in place and consistency within 1 min 40 sec after the onset of mixing and must be removed, along with the prefabricated crown, from the mouth within 2 min 50 sec after the onset of mixing.

Check the setting process.
▶ Keep the filled mixing tip on the cartridge to serve as a closure until the next use.
▶ Remove the smear layer and finish the residues, see "Finishing".

Removal
▶ Provide for mechanical retention by roughening the back surfaces and adjacent areas.
▶ Dry the preparation and dry with air.
▶ Join together using Protemp 4 or a Filtek Flowable Composite.

Care of Protemp 4
Care of the Filtek Flowable Composite as described in the relevant Instructions for Use.
▶ Once the material is fully set, finish as usual.

Cleaning of the Garant Dispenser
▶ Remove the Garant™ cartridge.
▶ Remove paste that has not set using an alcohol-soaked cloth.
▶ Clean the Garant™ handle and barrel with acetone at a temperature of 15–25 °C (59–77 °F); remove the bumper beforehand.
▶ Gutaraldehyde-based solutions can be used for disinfection.

Storage and Stability
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Dosing and Mixing
The pastes are dosed and stratified blue in the Garant dispenser. Use the enclosed Garant™ Mixing Tips (mix) Garant Mixing Tips are manufactured for 3M ESPE.

During the initial shaping
▶ Remove and discard the cartridge lid. Under no circumstances should the cartridge lid be used to smear the cartridge as this could result in air bubble inclusion.
▶ Check whether the tip applied for cartridge openings are free from obstruction and remove obstructing material, if any, with a suitable instrument.
▶ Before a mixing tip is applied for the first time, squeeze paste out onto a mixing block which has been placed on the same. Discard the block which has been soiled.

Application
▶ Place the material a certain amount of time to emerge from the newly attached mixing tip. The flow of material is interrupted as soon as the pressure on the handle is released. Material that has set inside the mixing tip should not be extruded by force, as this may damage both the cartridge and the mixing tip.

Finishing
▶ Completely remove the smear layer produced by the oxygen in air using alcohol (e.g., ethanol) once the material is completely cured (not earlier than 5 minutes after the onset of mixing).
▶ Use a suitable instrument to finish the temporary restoration using the carbide burs.
▶ Do not treatle polishing with tooth. Use mouth protective device, safety glasses and aspiration.

Individualization/Shape Correction
Using a Filtek™ Flowable Composite Protemp™ 4 for custom-shaping and shape correction there usually is no need for a bonding agent. If you intend to use other products, please refer to the pertinent manufacturer's Instructions for Use.

Compatibility
▶ Flowable composites (e.g., from the Filtek™ Flowable Composite product line A1, A2, A3, B3, Wax Blend),
▶ Fleasque composite with the corresponding Instructions for Use!

Application of a Filtek Flowable Composite to New Temporary Restorations
In newly manufactured temporary restorations, the Filtek Flowable Composite can be applied either to the finished surface of the unfabricated, but clean, initiation layer. Bonding is excellent in either situation. In the case of an already finished surface, the temperature of the surface should be reduced to room temperature before application. The temperature of the surface should be reduced to room temperature before application.

Application of a Filtek Flowable Composite to Existing Temporary Restorations That Were In Use
▶ Thoroughly clean the surface of the temporary restoration with rotary instruments.
▶ Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ For reasons of hygiene, dose the Filtek Flowable Composite from the Dispenser onto a mixing pad.

Use each layer separately with light for 20 sec each.
▶ Trim the composite with carbide burs and polish, e.g., with So-Lex™ tooth polishes, manufactured by 3M ESPE.

Application of Filtek Flowable Composite to Temporary Restorations That Were In Use
▶ Thoroughly clean the surface of the temporary restoration with rotary instruments.
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Use each layer separately with light for 20 sec each.
▶ Trim the composite with carbide burs and polish, e.g., with So-Lex™ tooth polishes, manufactured by 3M ESPE.

Lining of Prefabricated, Temporary Crowns Made of Composite and Metal
Core builds-ups which are fabricated using composites, composites, or resin-modified glass-ionomer cements must be sealed off before the application of Protemp™ 4, e.g., using Vaseline.
▶ Shape and prefabricate the temporary composite crown (e.g., Protemp™ Crown, manufactured by 3M ESPE) completely.
▶ Please comply with the corresponding instructions for use!

Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ Apply Protemp™ 4 to the prefabricated, temporary crown; use Application™.
▶ Place the prefabricated crown on the prepared tooth.
▶ The material remains in place and consistency within 1 min 40 sec after the onset of mixing and must be removed, along with the prefabricated crown, from the mouth within 2 min 50 sec after the onset of mixing.

Check the setting process.
▶ Keep the filled mixing tip on the cartridge to serve as a closure until the next use.
▶ Remove the smear layer and finish the residues, see "Finishing".

Removal
▶ Provide for mechanical retention by roughening the back surfaces and adjacent areas.
▶ Dry the preparation and dry with air.
▶ Join together using Protemp 4 or a Filtek Flowable Composite.

Care of Protemp 4
Care of the Filtek Flowable Composite as described in the relevant Instructions for Use.
▶ Once the material is fully set, finish as usual.

Cleaning of the Garant Dispenser
▶ Remove the Garant™ cartridge.
▶ Remove paste that has not set using an alcohol-soaked cloth.
▶ Clean the Garant™ handle and barrel with acetone at a temperature of 15–25 °C (59–77 °F); remove the bumper beforehand.
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Storage and Stability
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Dosing and Mixing
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During the initial shaping
▶ Remove and discard the cartridge lid. Under no circumstances should the cartridge lid be used to smear the cartridge as this could result in air bubble inclusion.
▶ Check whether the tip applied for cartridge openings are free from obstruction and remove obstructing material, if any, with a suitable instrument.
▶ Before a mixing tip is applied for the first time, squeeze paste out onto a mixing block which has been placed on the same. Discard the block which has been soiled.

Application
▶ Place the material a certain amount of time to emerge from the newly attached mixing tip. The flow of material is interrupted as soon as the pressure on the handle is released. Material that has set inside the mixing tip should not be extruded by force, as this may damage both the cartridge and the mixing tip.

Finishing
▶ Completely remove the smear layer produced by the oxygen in air using alcohol (e.g., ethanol) once the material is completely cured (not earlier than 5 minutes after the onset of mixing).
▶ Use a suitable instrument to finish the temporary restoration using the carbide burs.
▶ Do not treatle polishing with tooth. Use mouth protective device, safety glasses and aspiration.

Individualization/Shape Correction
Using a Filtek™ Flowable Composite Protemp™ 4 for custom-shaping and shape correction there usually is no need for a bonding agent. If you intend to use other products, please refer to the pertinent manufacturer's Instructions for Use.

Compatibility
▶ Flowable composites (e.g., from the Filtek™ Flowable Composite product line A1, A2, A3, B3, Wax Blend),
▶ Fleasque composite with the corresponding Instructions for Use!

Application of a Filtek Flowable Composite to New Temporary Restorations
In newly manufactured temporary restorations, the Filtek Flowable Composite can be applied either to the finished surface of the unfabricated, but clean, initiation layer. Bonding is excellent in either situation. In the case of an already finished surface, the temperature of the surface should be reduced to room temperature before application. The temperature of the surface should be reduced to room temperature before application.

Application of a Filtek Flowable Composite to Existing Temporary Restorations That Were In Use
▶ Thoroughly clean the surface of the temporary restoration with rotary instruments.
▶ Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ For reasons of hygiene, dose the Filtek Flowable Composite from the Dispenser onto a mixing pad.

Use each layer separately with light for 20 sec each.
▶ Trim the composite with carbide burs and polish, e.g., with So-Lex™ tooth polishes, manufactured by 3M ESPE.

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Lining of Prefabricated, Temporary Crowns Made of Composite and Metal
Core builds-ups which are fabricated using composites, composites, or resin-modified glass-ionomer cements must be sealed off before the application of Protemp™ 4, e.g., using Vaseline.
▶ Shape and prefabricate the temporary composite crown (e.g., Protemp™ Crown, manufactured by 3M ESPE) completely.
▶ Please comply with the corresponding instructions for use!

Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ Apply Protemp™ 4 to the prefabricated, temporary crown; use Application™.
▶ Place the prefabricated crown on the prepared tooth.
▶ The material remains in place and consistency within 1 min 40 sec after the onset of mixing and must be removed, along with the prefabricated crown, from the mouth within 2 min 50 sec after the onset of mixing.

Check the setting process.
▶ Keep the filled mixing tip on the cartridge to serve as a closure until the next use.
▶ Remove the smear layer and finish the residues, see "Finishing".

Removal
▶ Provide for mechanical retention by roughening the back surfaces and adjacent areas.
▶ Dry the preparation and dry with air.
▶ Join together using Protemp 4 or a Filtek Flowable Composite.

Care of Protemp 4
Care of the Filtek Flowable Composite as described in the relevant Instructions for Use.
▶ Once the material is fully set, finish as usual.

Cleaning of the Garant Dispenser
▶ Remove the Garant™ cartridge.
▶ Remove paste that has not set using an alcohol-soaked cloth.
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Finishing
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Application of a Filtek Flowable Composite to Existing Temporary Restorations That Were In Use
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Use each layer separately with light for 20 sec each.
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Remove any contamination (e.g., from saliva or polishing dust) – with alcohol, then dry the restoration with a stream of air.
▶ Apply Protemp™ 4 to the prefabricated, temporary crown; use Application™.
▶ Place the prefabricated crown on the prepared tooth.
▶ The material remains in place and consistency within 1 min 40 sec after the onset of mixing and must be removed, along with the prefabricated crown, from the mouth within 2 min 50 sec after the onset of mixing.

Check the setting process.
▶ Keep the filled mixing tip on the cartridge to serve as a closure until the next use.
▶ Remove the smear layer and finish the residues, see "Finishing".

Removal
▶ Provide for mechanical retention by roughening the back surfaces and adjacent areas.
▶ Dry the preparation and dry with air.
▶ Join together using Protemp 4 or a Filtek Flowable Composite.

Care of Protemp 4
Care of the Filtek Flowable Composite as described in the relevant Instructions for Use.
▶ Once the material is fully set, finish as usual.

Cleaning of the Garant Dispenser
▶ Remove the Garant™ cartridge.
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