

ALLCEM VENEER APS FGM



PRODUCT DESCRIPTION

Allcem Veneer APS is a light-curing resin cement recommended for adhesive cementation of translucent laminate veneers up to 1.5 mm thick. The advanced polymerization system (APS) technology incorporates the exclusive polymerization system developed by FGM and combines different photoinitiators, which interact and amplify the curing ability of the light emitted by the light-curing units. This results in a higher degree of conversion and greater curing depth, which ensures excellent curing of the resin cement even when under the laminate veneer. Another esthetic benefit of this cement is the reduction of visual changes in color and cement opacity before and after light curing, with better predictability of the esthetic results of cementation. It may be used with any light-curing unit in the market.

PRODUCT CHARACTERISTICS:

- Light curing: control of working time.
- Shade stability: the light-curing system is free of any tertiary amines, fundamental only for dual and chemical curing materials and responsible for long-term shade changes.
- Shade variety and simplicity: available in A1, A2, A3, Trans, OW (opaque) and E-bleach shades and its try-in pastes, which respond to the needs of all cases.

- Mechanical properties: excellent mechanical properties, with about 63% w/w inorganic filler content.
- Excellent viscosity: adequate flow, in addition to the ability to keep the unit in position during cementation (thixotropy).
- Radiopacity: important characteristic to detect possible cement excesses remaining under gingival tissue.
- Fluorescence: compatible with dental enamel fluorescence.
- Practicality.

MAIN COMPETITION IN THE BRAZILIAN MARKET:
Variolink Esthetic LC (Ivoclar), Relyx Veneer (3M).

INDICATIONS:

- This product is indicated for definitive cementation of metal-free, no-prep and indirect veneers up to 1.5 mm thick.

EVALUATORS' COMMENTS:

Allcem Veneer APS is a light-curing resin cement available in the market for laminate veneer cementation, with a positive cost/benefit ratio. It is offered in shades compatible with the clinical needs for translucency (Trans), ranging from the most common shades in the Vita scale (A1, A2 and A3), to an option for lighter teeth (e-bleach) and to one with greater substrate opacification (OW). Moreover, adequate flow, added to the fact that it is possible to keep the unit in position during cementation, facilitates its clinical use. (Renata Pascotto).

A light-curing resin cement indicated and applied as other similar products, but with APS as a differential, which eliminates shade changes after light curing and offer the dentist a previous and reliable visualization of esthetic results. (Rodrigo Ehlers Ilkiu).

Our laboratory, using first-rate light-curing units, found that Allcem Veneer cement has an excellent curing ability. Even when activated under 1.5-mm-thick ceramic veneers manufactured with lithium disilicate of medium opacity, there was no reduction in the degree of conversion.

(Luís Felipe Schneider).

Allcem Veneer APS is a product that combines easy use, reliability and excellent mechanical and esthetic properties at an extremely affordable cost. Here I highlight two very important characteristics, which I definitely take into consideration when selecting a cement for ceramic veneers. The first is the dependability of shade standardization between try-in cements and the resin cement itself. Allcem Veneer APS has perfect standardization, which ensures the accuracy of selection of resin cement shades. The other characteristic is the fact that the cement does not change color along time, which would otherwise affect the final shade of the veneer as years go by. The APS technology of this product ensures that this will not occur. We should not forget that this technology also ensures that the dentist may work with the overhead dental operating light on, as the exclusive FGM photoinitiator is not affected by this type of light. This undoubtedly facilitates the dentist's work. Taking into consideration all its properties, I classify it as an excellent product. **(Marcos Barcelheiro).**

Both Allcem Veneer APS try-in pastes and resin cement have excellent viscosity. The APS technology has brought about significant improvement in working time, and the resin may be cemented in no hurry, because its sensitivity to ambient room lighting is very low. Shade options are adequate for the different clinical situations; moreover, its very little color variation after polymerization adds predictability to this phase of the procedure. Because of it all, Allcem Veneer is our cement of choice **(Raphael Monte Alto).**

Allcem Veneer is a versatile product because of its shade options, its complete try-in system, its viscosity, which facilitates flow during cementation, and its cost, which is affordable to dentists **(Paulo Vinícius Soares).**

The manipulation characteristics of this product, combined with color stability, easy shade selection and color stability after light curing, make it one more excellent option in the market for the cementation of thin veneers.

(Roberto César do Amaral).

Excellent material, although I have noticed a slight difference between try-in pastes and cement. However, considering other criteria, it is not inferior to competitors in the short and middle term – I have not evaluated it for longer than three years **(Rudá Moreira).**

This product offers excellent working time, a wide variety of shades and is fully compatible with the blue light emitted by conventional light-curing units. The absence of a tertiary amine in its composition also ensures greater color stability along time. Ultimately, a product with an excellent cost/benefit ratio. **(Arcelino F. Farias).**

CLINICAL TIP:

The light-curing Allcem Veneer APS (FGM, Joinville, Brazil) resin cement is an excellent option for the cementation of ceramic veneers and other thin parts. I always use it in the office and during courses. Few studies have focused on it, as it is sold primarily in Brazil; however, three recent studies should be mentioned. The first was conducted by Archegas et al.¹ in 2011 to evaluate shades of different materials for ceramic veneer cementation after accelerated aging. Of the resin cements under evaluation, Allcem had color variations similar to that of RelyX (3M) and a little greater than that of Variolink Veneer (Ivoclar). However, color changes were not clinically acceptable for any of the three cements (ΔE greater than 3) In the other two studies, Furuse et al.² (2018) found excellent adherence for Allcem Veneer APS, whereas Nascimento et al.³ (2017) demonstrated that microhardness was slightly lower for Allcem Veneer APS than for RelyX Veneer. Clinically, this microhardness may mean a slightly greater wear of the cementation margin after many years of tooth brushing of slightly supragingival margins. The APS system definitely improved material polymerization, which successfully deals with the minor disadvantages reported. Laboratory studies conducted by our research team, however, found

that the APS system requires a good light-curing unit, with high irradiance, and a little longer light exposure time. The combination of these two factors resulted (data not published) in extremely high polymerization rates, which clinically improve cementation performance, demonstrated by its resistance to wear and color stability. For clinical dentists, Allcem Veneer APS has a complete kit, with try-in pastes for all the shades offered, which facilitates the accurate selection of shades and improves the optical properties of the cemented veneers (Victor Feitosa).

REFERENCES:

1. Archegas LR, Freire A, Vieira S, Caldas DB, Souza EM. Colour stability and opacity of resin cements and flowable composites for ceramic veneer luting after accelerated ageing. J Dent. 2011 Nov;39(11):804-10.
2. Furuse AY, Scotti CK, Llerena-Icochea A, Bombonatti JFS, Haragushiku GA, Gonzaga CC. Influence of light activation of simplified adhesives on the shearbond strength of resin cements to a leucite-reinforced ceramic. Eur J Dent. 2018 Jan-Mar;12(1):3-6.
3. Nascimento YA, de Oliveira Correia AM, Lima DM, Griza S, Takeshita WM, Melo de Mendonça AA. Effect of Ceramic Barriers of Different Thicknesses on Microhardness of Light-Cured Resin Cements. Int J Periodontics Restorative Dent. 2017 Jul/Aug;37(4):e204-e209.

FinalTouch by Voco

Light-curing characterization material



Final grade: 9,8



PRODUCT DESCRIPTION:

FinalTouch is a light-curing characterization composite used to define individualized color for direct and indirect composite restorations and to mask tooth discoloration. FinalTouch is applied underneath or between the composite layers of the restoration. It contains 38–40% w/w inorganic fillers in a methacrylate matrix.

Colors: white, blue, yellow, orange, brown

PRODUCT CHARACTERISTICS:

- Available in five colors with opacities that correspond to that of the application area.
- Non-drip NDT® syringe.
- Excellent handling for highly esthetic results.
- Reproduces enamel characteristics.
- Fine material structure and homogeneous consistency for accurate applications.

MAIN COMPETITION IN THE BRAZILIAN MARKET:**Essentia Modifier Composite Dye – GC****IPS Empress Direct Color Composite Dye – Ivoclar Vivadent****INDICATIONS:**

- Individualized characterization of direct and indirect composite restorations.
- Masking of tooth discoloration.
- Characterization of chairside CAD/CAM veneers.
- White: enamel stains, calcium deposits, white spots, halo effects, accentuation of cusps and ridges, masking of discolored dental hard tissue.
- Blue: translucent enamel areas and opalescent regions.
- Yellow/Orange: discoloration around the neck of the tooth, highlighting the dentin core, accentuating fissures, individual enamel characteristics.
- Orange/Brown: enamel cracks, fissure discoloration.

EVALUATORS' COMMENTS:

Excellent dye/pigment kit containing essential shades for posterior and anterior tooth restorations, with appropriate intensity and opacity that ensure natural visual effects and characteristics. (Rodrigo Ehlers Ilkiu).

Excellent dye kit made by VOCO. Good consistency, shade variety, easy application and excellent cost-benefit. I recommend it! (Rafael Andreiuolo).

FinalTouch dyes, made by VOCO, are offered in a range of excellent colors for anterior and posterior tooth characterization, and may be used as opacifiers of radiolucent materials. Its extremely thin application tip ensures that the minimum ideal amount is dispensed so that the result is accurate and looks natural. (Andréa Brito).

Dyes with easy-to use shades, material that has good viscosity and excellent cost-benefit. Ideal kit to solve the problem of anterior and posterior restorations that require esthetic results, to mimic natural optical effects and to reproduce the characteristics of natural teeth. (Antonio S. Sakamoto Junior).

We have achieved excellent results in restoration characterization using the FinalTouch resin composite. It is an easy-to-apply dye and has one of the best cost-benefit ratios in the market. (André Mallmann).

FinalTouch is a dye that offers the shades required for different techniques: the opacifier adequately controls the background shades of darkened teeth, and colors may be mixed for great versatility. (Paulo Vinicius Soares).

Shade intensity: FinalTouch is a characterizing dye with rather intense shades, as this type of material should be. Consistency: its fluidity is ideal to avoid improper excessive flow during use, as when used to characterize ridges. Colors offered: Its five colors (white, brown, blue, yellow and orange) are the most frequently used in Restorative Dentistry. Supplied in syringes that contain the material, which is excellent, as it avoids waste and “accidents” during use. The plunger produces a little backflow when the operator stops pressing it. (Mauricio Watanabe).

FinalTouch is an indispensable resource for the professional that wishes to work with characterization of esthetic restorations, because it makes it possible to apply the material directly and simply only to the areas where details are necessary to complement the mimicking of a natural tooth. Its non-drip NDT syringe is incredible, as it saves material and ensures that the material is applied without incorporating bubbles. Moreover, its colors are rather accurate and offer ideal selections for the main esthetic procedures. (Marcelo Balsamo).

FinalTouch has excellent flow and a large range of colors, and it is an excellent option for clinical cases that require characterization. (Carlos Eduardo Pena).

The best FinalTouch colors are brown and white. I use brown for posterior teeth and white for anterior teeth; orange, some times; blue, hardly ever, because I don't like to mimic translucency with dyes. Its dyes have good handling and flow, but I miss a dilutant and an ocher color; but, anyway, I recommend it to my students and colleagues, good cost/benefit. (Ronaldo Vioti)

CLINICAL TIP:

FinalTouch, a material manufactured by VOCO, offers a series of five dyes in white, blue, yellow, orange and brown. This product responds to a gap in the market, as it is difficult to find dyes that are easy and simple to handle. It is a material that is easy to understand and extremely useful for both anterior and posterior restorations, and which makes them easier and complements their stratification. I use this material in my resin composite restorations everyday to obtain a better esthetic result and to enjoy the possibility of mixing them and creating secondary shades that give me very satisfactory results.” (Hamilton Renato).

Tetric N-Flow Bulk Fill (Ivoclar Vivadent)



Final grade: 9,4

**PRODUCT DESCRIPTION:**

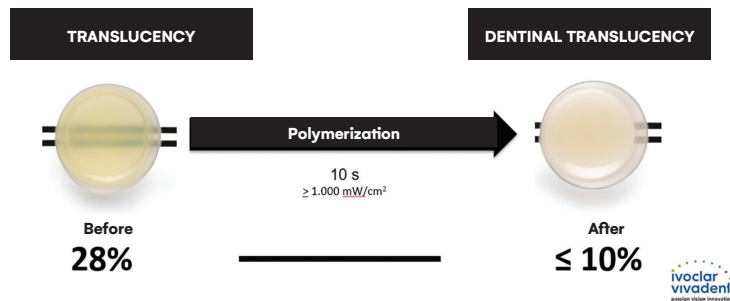
This new fluid composite complements the Tetric N-Ceram Bulk Fill line of composites that can be sculpted. In essence, Tetric N-Flow Bulk Fill composition is based on that of Tetric N-Ceram Bulk Fill. The material should be applied with a bulk fill base in Class I and II restorations. In the same way as its previous version, it may be light activated in large increments of up to 4 mm, requiring only a short exposure to light. Excellent affinity to cavity walls and self-leveling consistency complete the benefits offered by this volume restoration material. It is available in three universal dentin shades: IV A, IV B and IV W.

PRODUCT CHARACTERISTICS:

Another strength of this material is the Aessencio technology. This technology reduces material translucency from 28% down to 10% during polymerization. Together with Ivocerin, an amine-free reactive photoinitiator, the Aessencio technology makes it possible, for the first time, to have a volume of up to 4 mm of fluid composite that is light-cured in 10 seconds ($\geq 1,000$ mW/cm²) and retains dentinal optical properties.

PRODUCT ADVANTAGES:

- Time saving, as it may be placed in increments of up to 4 mm.
- Better esthetic results than those of other bulk-fill composites, particularly in cases of discolored teeth.
- Ideal for combinations with Tetric N-Ceram Bulk Fill and Tetric N-Ceram, which ensures good esthetic results and high efficiency.



MAIN COMPETITION IN THE BRAZILIAN MARKET:

Filtek™ One Bulk Fill (3M); Aura (SDI); Opus Bulk Fill (FGM); Sonic Fill (Kerr).

INDICATIONS:

- As an initial/first increment layer in Class I and II restorations of permanent teeth.
- Restorations of deciduous teeth (without a coverage layer).

EVALUATORS' COMMENTS:

Its high fluidity, associated with the change in opacity at the time of curing, makes it a very interesting option as a bulk-fill resin composite for restorations. (Ronaldo Hirata).

Tetric N-Flow Bulk Fill makes it possible to restore posterior teeth simply and rapidly because of its consistency and the property to self-level in the cavity. Moreover, the esthetic result of the restoration is guaranteed because of Tetric N-Flow Bulk Fill power to mask defects as a result of the change in the refraction index and, consequently, the increase in opacity after curing. It is a high quality resin composite, with an innovative technology. (Victor Clavijo).

Excellent low-viscosity bulk-fill composite for rapid filling of Class I and II cavities, with the differential of reducing translucency after light activation, which ensures a more opaque appearance, imitating dentinal composites. (Rodrigo Ehlers Ilkiu).

It has always been a daily challenge in clinical practice to obtain good anatomic and esthetic results of direct restorations of posterior teeth in a short time and meeting the needs of most of our patients. Today, in my clinical routine, I use fluid

composites, such as Tetric N-flow bulk fill, in single increments of up to 4 mm deep to level the base of the cavity in posterior teeth all the time, particularly in Class I and II restorations, and I finalize the restoration with sculptable resins, such as the conventional or bulk-fill Tetric N-Ceram. This combination has greatly accelerated my restorative procedures in posterior teeth, without losing quality or treatment longevity. (Amilcar Chagas Freitas Junior).

The excellent viscosity and thixotropy of Tetric N-Flow Bulk Fill, combined with an accurate light activation protocol, ensures an excellent, easier marginal sealing, the "Achilles heel" of sculptable bulk-fill composites. (Jorge Eustáquio).

Because of its practicality and excellent clinical performance, posterior teeth may be restored easily and efficiently. (Carlos Alexandre Bertoncello).

The Tetric N-Flow Bulk Fill resin delivers its promises, and, in addition to the usual indications of a bulk-fill resin composite, it offers the advantage of reduced translucency after polymerization, which improves the esthetic results, as it masks darkened substrates. I use it very often in cases of subgingival Class II cavities that require elevation of the gingival margin. (Gustavo Tonolli).

Tetric N-Flow Bulk Fill is a highly practical resin composite, with excellent clinical performance and great esthetics due to its low translucency after curing. In addition to its several indications, another good treatment option is to use it for deep cavities (Class I) after endodontic treatment. (Cristian Higashi).

A simple, fast and predictable solution for the challenge of restoring Class I and II cavities in clinical daily practice. The differential advantage of this material is the universal Aessencio technology, which ensures a reduction of translucency during polymerization, and the innovative Ivocerin, the photoinitiator that produces the reliable and efficient

curing of increments of up to 4 mm and optimizes our work. I believe that its versatility and technology respond to the needs of modern Dentistry. It's an essential choice that reassures us and meets our needs at an excellent cost/benefit ratio. It shortens distances at a moment when Dentistry is under transformation and becomes dependent on fast procedures that do not reduce accuracy or final quality of the work! **(Guilherme Saavedra).**

Excellent material, as it combines practicality and productivity. After reformulation, Tetric N-Flow bulk fill corrected translucency, and now approximates dentin shades better. Its working time is good, and its curing is more efficacious and takes a shorter time because of the Ivocerin photoinitiator. **(Antonio Sakamoto Junior).**

CLINICAL TIP:

“A high-performance bulk-flow resin composite for the posterior region. It is used especially to level Class I and II restorations. Tetric N-Flow Bulk fluidity ensures excellent fit to the restoration margins, which is one of its main characteristics according to dentists that are in search of a bulk-flow composite for fillings in the posterior region. For this purpose, the most frequent indication of this composite is for restorations with leveling of the cavity base using Tetric N-Flow Bulk Fill in thicknesses of up to 4 mm, which greatly simplifies and streamlines restorative procedures. The restoration may be finished with a conventional composite using an incremental technique, or with a sculptable bulk fill composite also be used in thicknesses of up to 4 mm. The Aessencio technology, which reduces translucency (<10% translucency, which corresponds to natural dentin values) of the composite after curing, is particularly helpful when used for darker dentin structures that require more opaque composites to build a restoration full of life and better esthetically. Another favorable characteristic of the Tetric N-Flow Bulk Fill composite is to be used with

the Ivocerin photoinitiator, because it is more reactive to curing lights and may be used in increments of up to 4 mm followed by light curing for only 10 seconds. Summing up: a high technology, simple and safe composite that offers great support to the daily practice of clinical dentists in the office.” **(Carlos Archangelo).**

Salli Chin — Ergonomic two-part saddle chair



Final grade: 9,6



PRODUCT DESCRIPTION:

Salli Chin is an ergonomic two-part saddle chair with a polished aluminum base, three-foam layers of different densities and natural leather finishing, available in five different colors.

PRODUCT CHARACTERISTICS:

- Chair with a cast iron structure.
- Three foam layers.

- Natural leather cover.
- Split in the middle of the chair (two-part seat).
- Aluminum base.
- Plastic wheels.
- Aluminum gas spring in three sizes: S, M and L.
- Ergonomic seat designed to offer skeletal support.
- Beauty/esthetics: chrome-plated parts and rounded design.
- Comfort.
- Durability.
- Five-year warranty.
- Maximum load: 120 kg.
- Weight: 11.5 kg.

MAIN COMPETITION IN THE BRAZILIAN MARKET:

Dentsply Sirona Brasil.

Dabi Atlante.

INDICATIONS:

- For those who spend 8 to 12 hours sitting.
- Indicated for those with a C posture and/or pain or lesions.
- Healthcare professionals.
- Handicraft workers.

EVALUATORS' COMMENTS:

After getting used to the Salli seat, I now feel weird about going back to a traditional seat. The main detail that calls my attention? The position of the lower back. as it ensures that you keep a perfect posture, even when wearing loupes. (Ronaldo Hirata).

My adaptation to Salli was fast, in less than a week of use. Its ergonomic design is excellent, and, especially, moving is more comfortable than on conventional stools. The working position enables a greater range of extension movements. An interesting aspect of it is that its design catches the attention of several patients, who ask for information about this product. (Sidney Kina).

I have been using it for about 9 years. Initially, I started using it because I had constant low back pain, because current seats are very low. The use of this seat is one of the reasons for all my pains to disappear, and today I have two, one for me and one for my assistant. (Oswaldo Scopin de Andrade).

I have used it for almost 10 years. In addition to a more adequate ergonomic position and better mobility than that of conventional stools, its design is a true work of art. (Rodrigo Ehlers Ilkiu).

The advantages of the Salli seat become very evident at the end of a whole day of work when there are no muscle pains, especially in the legs and back; also, it prevents future problems inherent to the poor posture of dentists. (Cristian Higashi).

This seat is very ergonomic, which has effects on your health, and the difference is visible at the end of the day. In the past, I had low back and neck pains. For a better performance, I recommend wearing a loupe. (Antonio S. Sakamoto Junior).

As dentists, we spent most of the day sitting, and the Salli seat ensures that ergonomics and posture are better during procedures. This way I can move and perform dental procedure with a better disposition and less physical stress. (Carlos Archangelo).

Quite ergonomic and good for the back. I used to feel pain, but not anymore. I also feel less tired at the end of a working day. Easy mobility in the office. (Raquel Passos).

In addition to ergonomics, posture and comfort, we gain nimbleness with the Salli seats. We have used them in our clinic and have realized we have a more comfortable end of the day. (Thiago Ottoboni).

CLINICAL TIP:

“For those who work with any type of magnifying lenses, loupes or microscopes, it facilitates visualization of all areas of the mouth.” (Oswaldo Scopin de Andrade).