FGM

Vittra APS

Premium composite

Premium composite with the best mechanical and esthetic performance, **with exclusive APS technology**

BPA FREE

SPHEROIDAL ZIRCONIA SILICATE

FGM ESTHETICS

Clinical cases

Esthetic veneers in composite resin with the Vittra APS system

Authors: Dr. Orlando Reginatto and Dr. Felipe Pinto Paredes Rodrigues

Cosmetic recontouring **in cases of multiple diastemas**

Authors: Dr. Renato Voss Rosa and Dr. Alex Sandro Olivaldo

Reanatomization of canines and premolars

Author: Prof. Dr. Leonardo Muniz

Direct veneers in composite resin, **failures and successes through shade selection**

Authors: Dr. Gabriela Romanini Basso, Dr. Paulo Gabriel Warmling and Dr. Shizuma Shibata

Clinical indications

- Restorations of classes I, II, III, IV, V and VI;
- Direct veneers with composites;
- Cementation of dental fragments;
- Core construction;
- Dental splinting;
- Closure or reduction of diastemas;
- Porcelain and/or composite repairs;
- Indirect restorations such as inlays, onlays, and facets;
- Tooth shape modification (e.g., conoid teeth).

Shade system

Vittra APS has all the shades that are most used in restorations, whether simple or complex. With eight hue options, including bleach shades for whitened teeth, it is the complete solution for natural results and unparalleled visual features.

ENAMEL

DENTIN

*Table for illustration purposes only

TRANSLUCENT

Restorations with an amazing natural effect:

Availability formats

ESSENTIAL KIT

Contents: DA1, DA2, DA3, EA1, and EA2 in 4-g syringes, Trans N in 2-g syringe, Ambar APS with 6 ml, and Condac 37 with 2.5 ml.

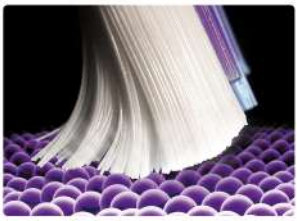
REFIL

4 g syringes, in the shades: DA1, DA2, DA3 DA3.5, DB1, EA1, EA2, EA3, EA3.5, EB1.
2-g syringes, in the shades: Trans OPL and Trans N.

The beauty and strength of Spheroidal Zirconia Silicate.

Found only in Vittra APS.

FGM Vittra APS



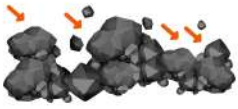
Simulation of brushing on the surface of the Vittra APS composite.

Spheroidal zirconia particles:

- ✓ Greater mechanical strength;
- ✓ Greater resistance to wear and smoother surface;
- ✓ Ease in obtaining a polishing;
- ✓ Longevity of the shining.

Other composites

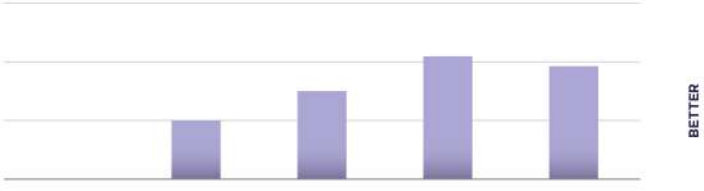
Simulation of brushing on the surface of micro-hybrid or nano-hybrid non-spheroidal composites.



- × Major flaws are revealed when subjected to wear;
- × Loss shine due to increased roughness.

Scientific study

INCREASE IN ROUGHNESS AFTER BRUSHING (50,000)



Increase in roughness (average in %) after brushing (n=10).

Conclusion: Vittra APS was the only composite to show no increase in surface roughness after simulated brushing, demonstrating excellent abrasion resistance and maintenance of the polishing.

Study conducted by: Pailover P, Malaquias P, Carvalho E, Gutierrez F, Bauer M. Reis A, Bauer J, Loguercio A. Universidade de Ponta Grossa (UEPG) and Universidade Federal do Maranhão (UFMA), 2016.

APS ADVANCED POLYMERIZATION SYSTEM

APS technology, **exclusive to FGM,** consists of **an innovative combination of colorless photoinitiators,** which interact with each other and enable amplifying the polymerization capacity, positively impacting several aspects:

Esthetic restorations with **a working time 4x longer than conventional resins***;

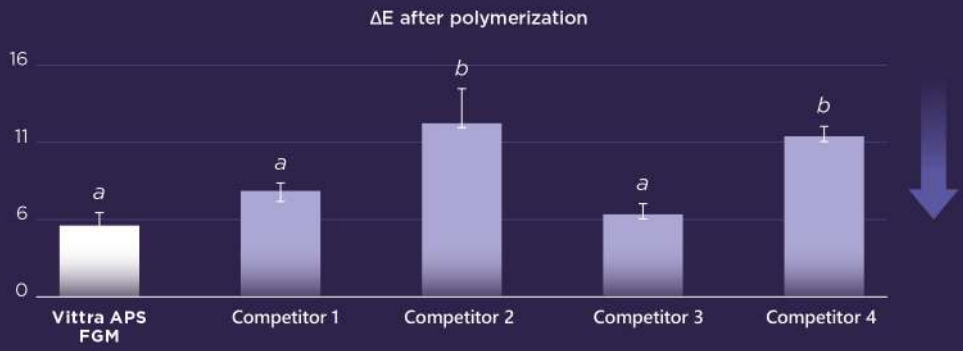
Shade predictability of the composite even before photopolymerization (does not suffer significant shade variation during polymerization);

Improvement of mechanical properties.

*According to a study carried out by Prof. Dr. Rodrigo Reis.

Scientific studies

I. SHADE PREDICTABILITY



Shade variation (mean, ΔE) before and immediately after polymerization (n=3), (1-factor ANOVA and Tukey's test; $p<0.05$).

Conclusion: the dental professional can visualize the final esthetic result in real time, even before the photopolymerization of the

Study conducted by: Pailover P, Malaquias P, Carvalho E, Gutierrez F, Bauer M. Reis A, Bauer J, Loguercio A. Universidade de Ponta Grossa (UEPG) and Universidade Federal do Maranhão (UFMA), 2016.

II. LOW VOLUMETRIC CONTRACTION

Conclusion: Vittra APS has a low volumetric contraction index, which reduces the risk of marginal infiltration, resulting in greater longevity of the restoration.

Study conducted by: Julyana S, Lorena F, Vitória S, Tainah F, Daranee T, Antheunis V, Crisnicaw V. Federal University of Goiás (UFG) and University of Tennessee Health Science Center (UTHSC), 2022.

Expert opinions

"**One of the best premium composite in recent years,** with characteristics such as imperceptible shade changes after polymerization and longer working time, even in contact with the reflector light due to the development of an exclusive photoactivation technology called APS. **Using a BPA-free composite, concern for the future is certainly a priority.** BPA has been linked to several health issues and therefore the search for BPA-free dental products has been a trend in Europe and the USA

Prof. Dr.
Alessandro Loguercio

"High strength, polishing capacity and longevity, **shade quality, and excellent consistency are indispensable** properties of a composite. Vitta APS is truly an excellent resin. One clear advantage is its translucency/opacity, which is very suitable for enamel and dentin

Prof. Dr.
Leonardo Muniz

You can use Vittra APS with:

FGM
LINE ambar APS

A new look
Superior adhesive strength

COLORLESS ASPECT

BPA FREE

ENHANCED MDP

FGM ESTHETICS

fgmdentalgroup.com

fgmodonto fgmdentalgroup FGM Dental Group fgmdentalgroup