

SR Adoro®

A REFLECTION OF BEAUTY



The new light / heat curing veneering composite

A REFLECTION OF NATURE



SR Adoro

The name Adoro has its roots in the Romance languages and denotes admiration, adoration and reverence.

The aesthetic, lifelike restorations fabricated with this exceptional material live up to this name, as they are indeed worthy of admiration.

Outstanding intra-oral polishing results and plaque resistant qualities complement the natural beauty of SR Adoro, making this material a real showpiece among modern dental composites.



Paolo Miceli
Italy

«The SR Adoro composite enables me to adjust the translucency and chroma of the restoration to that of the natural tooth. Metal-free restorations in particular bring out the full potential of SR Adoro and its natural-looking opalescence.»



Restoration placed by Dr A Pennacchietti

A WIDE VARIETY OF SHADES



SR Adoro anterior crown by reflected light



SR Adoro anterior crown by transmitted light

Natural beauty

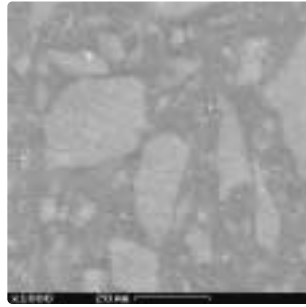
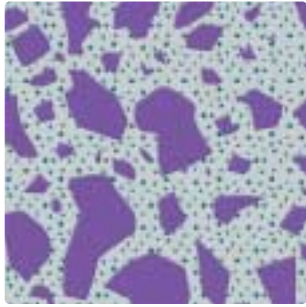
SR Adoro is a new light / heat curing veneering composite. The individual materials are shaded according to their specific application. Therefore, the metal-reinforced, metal-free and removable partial restorations made with these materials are highly aesthetic.

The materials exhibit lifelike opalescence and high translucency. The harmonious interplay of these properties is enhanced by the enamel-like lustre of the finished restoration and is a prerequisite for aesthetically pleasing restorations.

Using the correct shade is key to achieving a natural-looking appearance. SR Adoro is available in both Chromascop and A-D shades.



A PERCEPTIBLY COMFORTABLE SOLUTION



Material

The inorganic microfillers together with an innovative matrix impart an even structure to the material. The resulting homogenous surface offers enamel-like lustre and improved resistance to staining and plaque formation for exceptionally beautiful restorations.

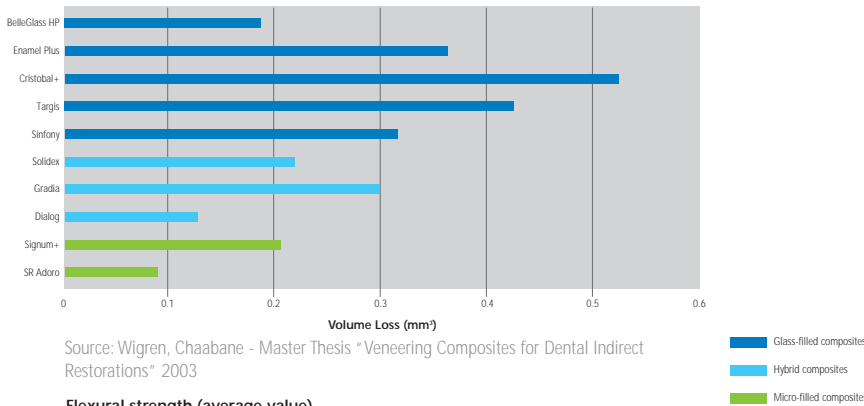
As SR Adoro wears like natural enamel, patients will find restorations made of this material very comfortable.

Diagram and SEM of the material's structure:

- Polymer matrix
- Microfillers
- Pre-polymer

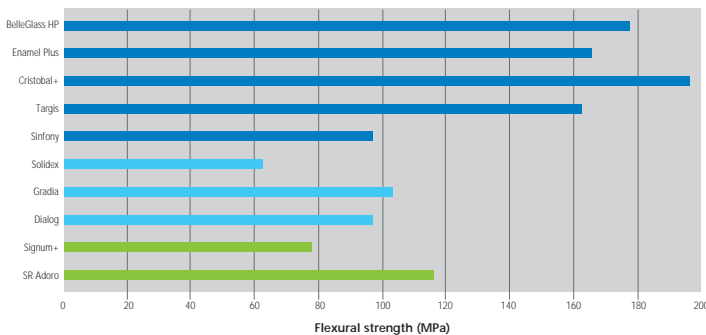
Source: R&D Ivoclar Vivadent AG, Schaan, Liechtenstein

Wear (Willytec chewing simulator) – volumetric wear (average value)



Source: Wigren, Chaabane - Master Thesis "Veneering Composites for Dental Indirect Restorations" 2003

Flexural strength (average value)



Source: Wigren, Chaabane - Master Thesis "Veneering Composites for Dental Indirect Restorations" 2003



Dr Alexander Stiefenhofer
Liechtenstein, Ivoclar Vivadent AG

«The clinical results achieved with the new SR Adoro composite veneering material are very promising. The material produces aesthetic and functional results in metal as well as in glass-fibre reinforced crowns and bridges.»

A COORDINATED APPLICATION TECHNIQUE

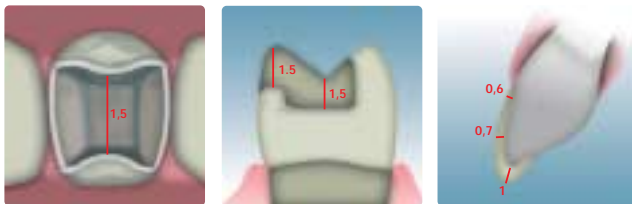
Dr. Carlo Monaco, Italy



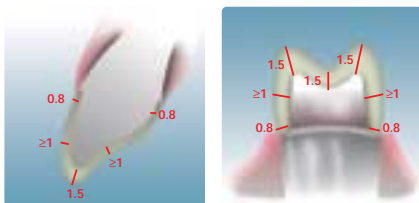
Preparation

When preparing teeth for metal-free restorations with Vectris frameworks and for inlay-retained bridges in particular, this procedure can be conducted in accordance with the defect and therefore preserving tooth structure, as SR Adoro is seated using the adhesive cementation technique and the material is highly translucent.

The same preparation guidelines as those that are used in metal-ceramic applications apply to metal-reinforced composite restorations.



Inlays / Onlays / Veneers



Crown and bridge abutments with Vectris frameworks



Inlay-retained bridge



Dr Till N Göhring
Switzerland

«We've been working with glass-fibre reinforced inlay-retained bridges for the past six years or more. SR Adoro is a veneering material that allows us to fulfil the highest aesthetic demands.»

A WIDE SELECTION OF CEMENTATION MATERIALS

	Adhesive composites		Conventional cements	
	Variolink® II Dual-curing, highly aesthetic luting system	Multilink® Self-curing, self-etching luting system	Vivaglass® CEM Translucent glass ionomer cement	PhosphaCEM® Phosphate cement (capsule / hand mix)
SR Adoro metal-supported (retentive preparation)	-	✓✓	✓✓	✓
SR Adoro metal-supported (non-retentive preparation)	-	✓✓	-	-
SR Adoro metal-free	✓✓	✓	-	-

- ✓✓ Particularly recommended product combinations
- ✓ Recommended product combinations (2nd choice)
- Not recommended: products cannot be combined

Depending on the application, you can select a dedicated cementation system from a wide range of Ivoclar Vivadent products.

Adhesive cementation

Adhesive cementation achieves a strong, stable bond between metal-free restorations and the prepared tooth and heightens the fracture strength of these restorations. The translucency of the luting composite and the almost indiscernible margins enhance the aesthetic appearance of the restorations. The CEM Kit Professional Set, the CEM Kit Esthetic Cementation System or Multilink are suitable for adhesive cementation applications.

Conventional cementation

Zinc phosphate, hybrid ionomer and glass ionomer cements such as PhosphaCEM or Vivaglass CEM are suitable for the conventional cementation of metal-reinforced restorations.

Temporary restorations

Zinc oxide temporary cements are used for the provisional cementation of metal-free long-term temporaries that are worn for up to 12 months.



AN EXCEPTIONALLY TALENTED MATERIAL



The coordinated components of SR Adoro create a well-balanced system that covers a wide spectrum of indications.

Metal-supported

- Veneering of metal-supported restorations
- Veneering of combination dentures (eg veneering of telescope crowns)
- Veneering of partially removable implant supported restorations
- Veneering of gingival segments in partially removable implant superstructures
- Long-term temporaries



Metal-free

- Inlays, onlays, and veneers
- Anterior crowns without Vectris reinforcement
- Vectris-reinforced anterior and posterior crowns
- Vectris-reinforced 3-unit anterior and posterior bridges
- Vectris-reinforced 3-unit inlay-retained bridges
- Long-term temporaries



Resin teeth

- Adjustments of shape and shade



Thomas Riedel
Switzerland

«The highly aesthetic composite SR Adoro opens up a wide spectrum of applications for my customers and me. Patients are thrilled with how comfortable these dentures are to wear.»

A BRILLIANT MATERIAL TO POLISH



Inlay-retained bridge Dr Carlo Monaco, Paolo Miceli, Italy

Polishability

Following cementation, SR Adoro restorations can be polished to a high lustre with conventional polishing instruments such as Astropol from Ivoclar Vivadent.

The homogenous structure of SR Adoro enhances the enamel-like shine and striking aesthetics of the restorations.

Bond and fit

In metal-free restorations, SR Adoro Liner establishes a strong bond with the luting composite. The result: a long-lasting bond and increased resistance to staining.



Scanning electron micrograph of the margin. The 200x magnification reveals the outstanding fit of the restoration.



A PART OF THE WHOLE



The countless applications in the field of veneering composites demand a versatile system. Therefore, SR Adoro is a part of a flexible system of products, which ideally combines alloys (eg Academy Gold XH), FRC framework materials (Vectris®), denture teeth and glass-ceramic materials (IPS d.SIGN®).

SR tooth lines and IPS d.SIGN glass-ceramics

The shades of SR Adoro are coordinated with those of Ivoclar Vivadent teeth and IPS d.SIGN glass-ceramics. This systematic approach to shading ensures that restorations are successfully integrated into the oral environment and it facilitates the communication with your dental technician.

Alloys

Several high-quality, biocompatible alloys are matched to SR Adoro. They allow you to select the best possible solution for the individual requirements of your patients.

High gold	Academy Gold	Type II, III
	Academy Gold XH	Type IV
Reduced gold	Harmony PF	Type IV
	Maxigold	Type III
Universal alloy	BioUniversal PdF	Type III
Base metal	Pisces Plus	–
	IPS d.SIGN 30	–

Vectris

The light-curing, glass-fibre reinforced FRC framework material Vectris offers you a wide range of possibilities for fabricating highly aesthetic and durable, metal-free substructures for your SR Adoro restorations. A new time-saving processing technique using a transparent silicone (Transil®) facilitates the procedure for dental technicians. As Vectris substructures offer the possibility of cusp support, optimized physical properties can be achieved.

SR Adoro®

A REFLECTION OF BEAUTY



A version of this brochure is also available for dental laboratory technicians.



The Clinical Guide provides detailed information about the clinical application of the material.

These materials have been developed for use in the fabrication of dental tooth restorations or tooth replacements. Processing should be done according to the Instructions for Use. Descriptions and data constitute no warranty of attributes and are not binding. Printed in Liechtenstein
Printed in Liechtenstein
© Ivoclar Vivadent AG, Schaan/Liechtenstein
574374/1103/3/e/BVD

Ivoclar Vivadent AG
Bendererstr. 2
FL-9494 Schaan
Principality of Liechtenstein
Tel. +423 / 235 35 35
Fax +423 / 235 33 60
www.ivoclarvivadent.com

ivoclar
vivadent
technical