



# Polofil® Supra · Solobond M

TWO STRONG MATERIALS FOR DURABLE RESTORATIONS

# Polofil® Supra

## THE UNIVERSAL TALENT

Polofil Supra is a light-curing microhybrid composite of the highest quality. It is based on the proven VOCO sintra glass multifiller system. The resulting superb aesthetics and outstanding physical properties have been making Polofil Supra an internationally successful composite for many years.

### Outstanding physical properties

With a filler content of 76.5 % by weight, Polofil Supra is a composite that can be universally used for aesthetic anterior and posterior restorations and for core build-ups. The large proportion of fillers is composed of micro and macro fillers. The size of the micro fillers is only 0.05  $\mu\text{m}$ , and the macro fillers measure between 0.5 and 2  $\mu\text{m}$ . Polofil Supra's outstanding physical properties are the result of its high filler content. Above all, limited shrinkage and high resistance to abrasion, as well as high flexural strength ensure the long-term stability of restorations.

### Lasting aesthetics and natural lustre

Polofil Supra is available in seven aesthetic shades. After polymerisation and polishing, the restorations are practically indistinguishable from the natural dental hard tissue. The achieved lustre permanently assures maximum aesthetic results in anterior and posterior regions.

### Simplest handling

Busy day-to-day clinical work demands, above all, materials that support the efficient work of the user. Polofil Supra assures fast procedures and convenient handling, due to its high resistance to light during working, its non-sticky consistency, and its good packability and modelling properties.

Polofil Supra's radiopacity of 200 %Al also enables easy differentiation of the restoration and the dental hard tissue.

### Technical data

Transverse strength	140 MPa
Compressive strength	360 MPa
Translucency	natural
Radiopacity	200 %Al
Water absorption	22.9 $\mu\text{g} / \text{mm}^3$
Water solubility	0.1 $\mu\text{g} / \text{mm}^3$
Polymerization shrinkage	2.6 % vol.
Colour stability	no discolouration

### Durable and aesthetic restoration with Polofil® Supra



Initial situation



After preparation



Finished Polofil Supra restoration

# Solobond M

## THE STRONG TOTAL-ETCH BOND

Solobond M is the light-curing total-etch bond for all light-curing restorative materials. The single-component one-layer adhesive ensures fast handling, combined with secure application and excellent adhesion values on enamel and dentine.

### Quick and simple handling

The total-etch bond, which is applied in a single layer, provides numerous advantages. This means that with Solobond M, priming and bonding is carried out in a single step and only one application. This provides distinct savings in terms of time and materials in comparison to many two-step systems. Furthermore, the use of Solobond M prevents mixing errors.

The immediate bonding effect is a further aid for application. The restorative material immediately adheres to the bond, facilitating subsequent modelling.

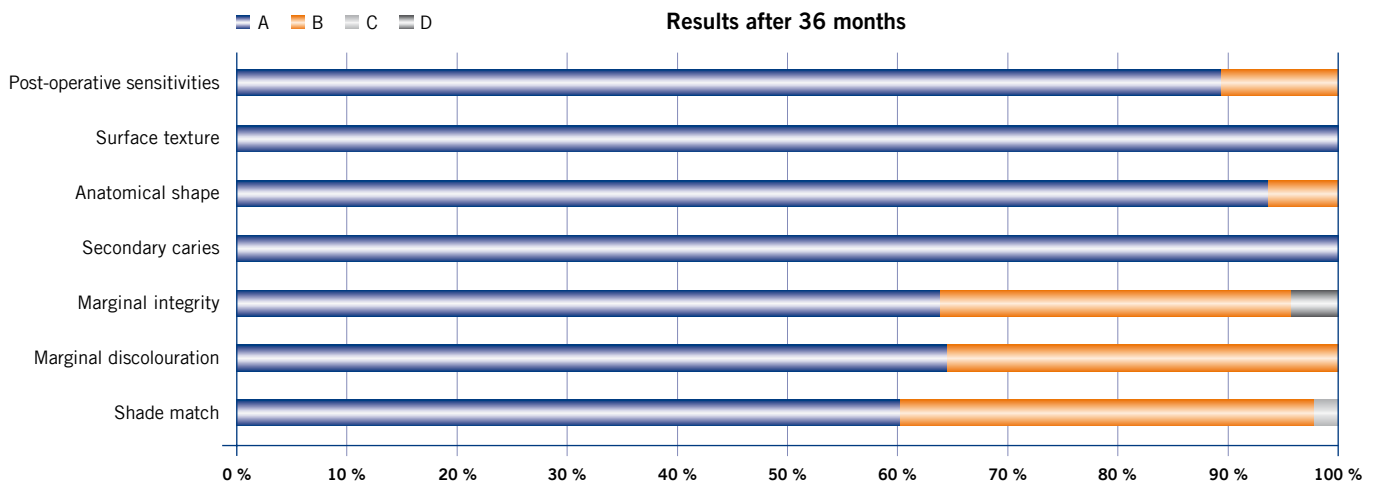
### Quality confirmed in clinical trials

Various studies have confirmed the quality and especially the excellent adhesion and marginal seals of restorations with Solobond M. The study<sup>1</sup> which is presented below and was conducted the University of Leipzig in 2001 examined the success of treatment over a period of three years. Here,

Solobond M was used with a conventional light-curing composite. The restorations were examined after 3, 12, 18, 24 and 36 months and assessed according to the modified USPHS criteria<sup>2</sup>. The results show that, after three years, a loss of retention occurred in only two of 53 cases. Secondary caries was not observed in any of the restorations examined.

### The advantages at a glance

- One component – one application
- Excellent adhesion (28.1 / 32.0 MPa on dentine / enamel)<sup>3</sup>
- High material elasticity and permanently tight margins
- “Stick-immediately-effect” for easy application of the restorative
- Universal for all light-curing restoratives



### Conclusion

In the study presented here, the restorations fulfilled the American Dental Association's (ADA) 18-month criteria for a “full acceptance” even after 3 years.

<sup>1</sup> G. Haßloff, M. Erler, H. Schneider, K. Merte, University of Leipzig, report to VOCO

<sup>2</sup> United-States-Public-Health-Service

<sup>3</sup> analog Reinhardt, Philip Journal 3-4, 1997, 101-104

## Polofil® Supra · Solobond M

### TWO STRONG MATERIALS FOR DURABLE RESTORATIONS

#### Polofil® Supra

##### Indications

For cavities classes I to V  
 Reconstruction of traumatically affected anteriors  
 Veneering of discoloured anteriors  
 Splinting, locking of teeth

#### Solobond M

##### Indications

Direct restorations of all cavity classes with all light-curing restoratives



#### Presentation Polofil® Supra

- REF 1360 Set syringe 7 × 4 g (A1, A2, A3, A3.5, B2, B3, incisal), Vococid gel syringe 5 ml, Solobond M bottle 4 ml, accessories
- REF 1373 Set syringe 3 × 4 g (A2, A3, A3.5), Vococid bottle 3 ml, Solobond M bottle 4 ml, accessories
- REF 2107 Shade guide

#### Presentation Solobond M

- REF 1225 Set bottle 4 ml, Vococid gel syringe 5 ml, accessories
- REF 1226 Bottle 2 × 4 ml
- REF 1227 Bottle 4 ml
- REF 2249 Micro Tim, fine application brushes, 100 pcs.
- REF 2315 Mixing palettes, 20 pcs.
- REF 2338 Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.

Shade	Syringe 4 g	Shade	Syringe 4 g
A1	REF 1361	B2	REF 1365
A2	REF 1362	B3	REF 1366
A3	REF 1363	Incisal	REF 1368
A3.5	REF 1364		

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