PREPARING A **RESTORATION** MADE OF METAL, OXIDE, OR SILICATE CERAMICS

STEP BY STEP

APPLICATION **VISALYS®** CEMCORE – CEMENTATION

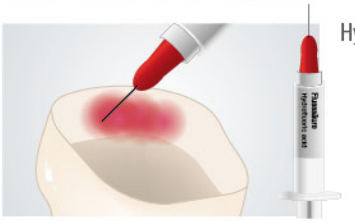
1 **Pretreatment of restoration**

Restorations of (noble) metal, oxide ceramic, composite
Sandblast with aluminium oxide (≤ 50 µm), rinse and dry.
Do not use phosphoric acid gel!



Sandblaster

Restorations of silicate ceramic (feldspar and glass ceramic), hybrid ceramic
Apply hydroflouric acid as per the product manufacturer's instructions.



Hydroflouric acid

In each case, note the information provided by the manufacturer of the restoration material.

2 Apply **VISALYS®** RESTORATIVE PRIMER with a disposable applicator or brush onto the adhesive surfaces and allow it to work in for 60 sec.



VISALYS® RESTORATIVE PRIMER, Disposable applicator

Drop **VISALYS®** RESTORATIVE PRIMER into a preparation tray. Light protection is not necessary. Close primer bottle carefully after each use.

3 Dry with a gentle jet of water / oil-free air.



Air blower

VISALYS® RESTORATIVE PRIMER is non-light curing.

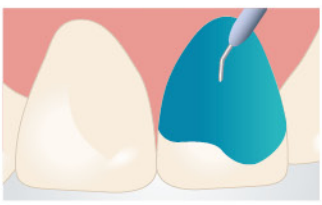
4 **Pretreatment of enamel / dentin**

Crowns, bridges, inlays, onlays, partial crowns, dentin, cut enamel
OPTIONAL: phosphoric acid etching



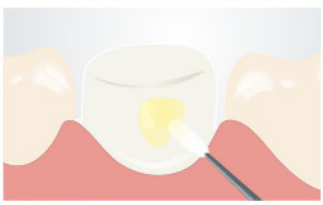
Phosphoric acid

For veneers, adhesive bridges and uncut enamel
NECESSARY: phosphoric acid etching



VISALYS® TOOTH PRIMER (for tooth structure) is a self-etching single-component primer and can therefore be used without additional phosphoric acid etching. Only with cementation of veneers and adhesive bridges and with uncut enamel is selective phosphoric acid etching necessary.

5 Apply **VISALYS®** TOOTH PRIMER to the entire adhesive surface of the tooth surface using a suitable applicator and rub in for 20 sec.

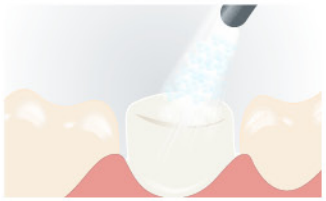
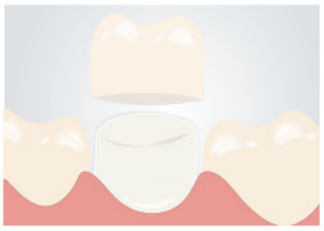
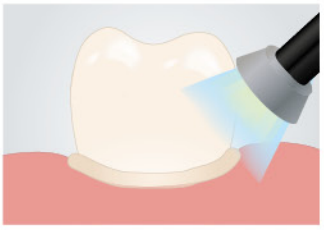
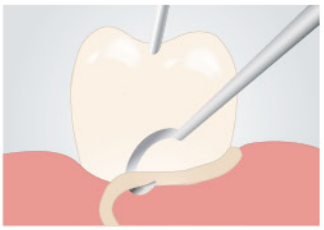
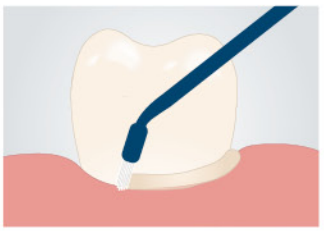


VISALYS® TOOTH PRIMER, Applicator

Drop **VISALYS®** TOOTH PRIMER into a preparation tray. Light protection is not necessary. After applying the **VISALYS®** TOOTH PRIMER start with the further processing immediately. Close primer bottle carefully after each use.

PREPARING A **RESTORATION** MADE OF METAL, OXIDE, OR SILICATE CERAMICS

STEP BY STEP

6	Dry with a gentle jet of water / oil-free air.		Air blower	**VISALYS®** TOOTH PRIMER is non-light curing.
7	**Cementation with VISALYS® CEMCORE** Apply **VISALYS®** CEMCORE on the inside surfaces of the restorations and on the core or cavity surfaces, as applicable.		**VISALYS®** CEMCORE	In the case of application in the mouth, the processing time is reduced and the restorations must be placed within 2 min.
8	Place the restoration on the core or in the cavity.			
9	**Removing excess:** **Two methods are possible.** **METHOD 1:** Cure with light 2-3 sec. per quarter surface. (Alternatively: self-cure until gel phase: approx. 2-3 min.)		Polymerization lamp 	The excess is either polymerized with a commercially available polymerization lamp (1200 mW / cm²) for 2-3 sec. oral and vestibular as well as mesial and distal – i.e. at four points – or wait for the gel phase in self-curing.
10			e. g. Scaler	The excess, which is still soft-elastic, can be easily removed with a scaler.
	OR			
10	**METHOD 2:** Immediately remove excess. (Without initial curing – Skip step 9)		e. g. cotton pellet, brush or foam pellet	Remove the excess directly, e.g. with a cotton pellet, brush or foam pellet.

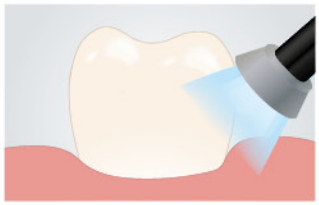
PREPARING A **RESTORATION** MADE OF METAL, OXIDE, OR SILICATE CERAMICS

STEP BY STEP

11 **Final curing / Finishing**
After removal of excess, the cement joint can be covered with a glycerin gel or polyethylene glycol paste to avoid the formation of an inhibition layer.



12 Polymerize each surface / cement joint for 10 sec. with light.



Polymerization lamp

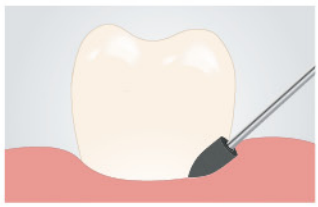
10 sec.

13 **Non-translucent restorations (e. g. metal crown)**
For non-translucent restorations, the final curing must be allowed to complete beneath the restoration.



5 min.

14 Rough cement joints can be finished and polished.



Polisher

APPLICATION **VISALYS®** CEMCORE – ROOT POST CEMENTATION

1 **Pretreatment of the root post**
Apply **VISALYS®** RESTORATIVE PRIMER with a disposable applicator or brush onto the adhesive surfaces and allow it to work in for 60 sec.



VISALYS® RESTORATIVE PRIMER. Disposable applicator

Wait 60 sec.

Apply **VISALYS®** RESTORATIVE PRIMER. In each case, note the information provided by the manufacturer of the post material.

Note: If the manufacturer of the root post or indirect core build-up recommends silanization or pre-treatment with a primer for metal or oxide surfaces or a primer-adhesive / universal adhesive-activator combination, the VISALYS® RESTORATIVE PRIMER can be used for this purpose.

2 Dry with a gentle jet of water / oil-free air.



Wait 5 sec.

PREPARING A **RESTORATION** MADE OF METAL, OXIDE, OR SILICATE CERAMICS

STEP BY STEP

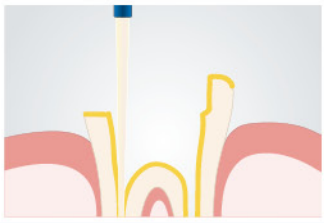
3 **Pretreatment of the tooth structure**
Whetten the cleaned and dried surfaces of the root canal, the coronal dentin and the enamel parts, as applicable, completely with **VISALYS®** TOOTH PRIMER and rub in for 20 sec.



VISALYS® TOOTH PRIMER, Applicator



4 Remove excess from the root canal with a paper tip.



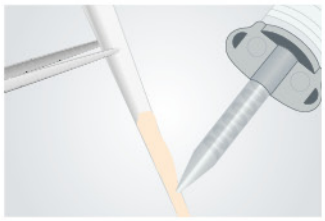
Paper tip

5 Dry all surfaces with a gentle jet of water / oil-free air.



Air blower

6 **Cementation with VISALYS® CEMCORE**
Apply **VISALYS®** CEMCORE to the post,...



VISALYS® CEMCORE, Tweezer

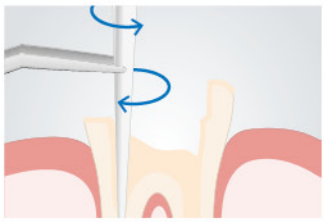
7 ... into the root canal and the remaining surfaces of the tooth structure. **DO NOT USE LENTULO!**



VISALYS® CEMCORE

While discharging, it is recommended that the tip of the used mixing tip always remains in the material.

8 Insert the post using rotating movements.



Tweezer

9 To fix the post, the material can be light-cured with a suitable polymerization lamp for 10 sec.



Polymerization lamp



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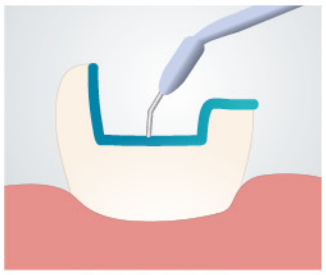
STEP BY STEP

APPLICATION **VISALYS®** CEMCORE – CORE BUILD-UP

1 **Pretreatment of the tooth structure**

Without root post
Selective phosphoric acid etching of the enamel may be undertaken optionally.

After cementation of root post
Proceed directly to step 4.



Phosphoric acid



VISALYS® TOOTH PRIMER (for tooth structure) is a self-etching single-component primer and can therefore be used without additional phosphoric acid etching.

2 Apply **VISALYS®** TOOTH PRIMER to the entire adhesive surface of the core or the cavity using a suitable applicator and rub in for 20 sec.

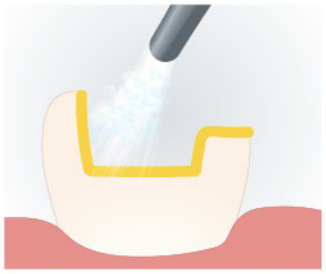


Visalys® Tooth Primer, Applicator



Drop **VISALYS®** TOOTH PRIMER into a preparation tray. Light protection of the primer is not necessary. After applying the **VISALYS®** TOOTH PRIMER, start with the further processing immediately. Close primer bottle carefully after each use.

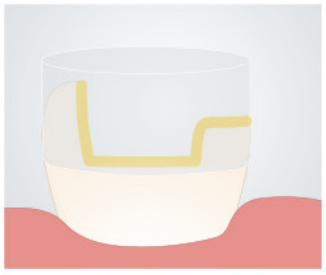
3 Dry with a gentle jet of water / oil-free air.



Air blower

VISALYS® TOOTH PRIMER is non-light curing.

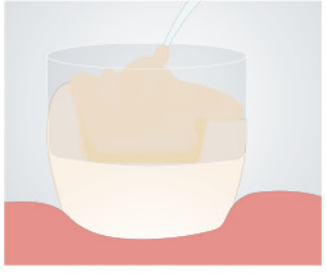
4 Optional: Apply a matrix.



Matrix

The use of a transparent matrix makes it easier for light to enter in the case of optional light curing.

5 Apply **VISALYS®** CEMCORE directly into the cavity.



VISALYS® CEMCORE

In the case of very badly damaged teeth, a core build-up mold can be used. The mold is filled with **VISALYS®** CEMCORE and then placed on the residual tooth substance.

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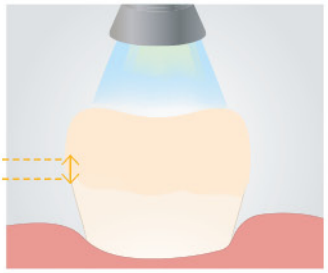
STEP BY STEP

6

Light cure for 20 sec.[1] If the layer thickness is above the specified polymerization depths[2], wait until the chemical curing process is complete.

5 min.

The polymerization depth of the **VISALYS®** CEMCORE shades are listed in the table below.



Polymerization lamp

20 sec.

Note: Remove matrices or core forms only after final self-curing.

[1] Light intensity: 1200 mW / cm²

[2]

Shade of VISALYS® CEMCORE	Polymerization depth
Translucent	approx. 2.5 mm
Universal (A2 / A3)	approx. 2.0 mm
Bleach, Dark (A4)	approx. 1.5 mm
Opaque	approx. 0.5 mm

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