

# ceramir®

## RESTORE QUIKCAP



FOR PROFESSIONAL DENTAL USE IN RECOMMENDED INDICATIONS ONLY (SEE "2 INDICATIONS FOR USE").

Rx ONLY Caution: Federal (USA) law restricts this device to sale by or on the order of a physician.

### 1. Product description

Ceramir® Restore QuikCap is a self-curing bioceramic restorative material of glass ionomer type. The main component in the powder is calcium aluminate, and in the liquid, water. The material is radiopaque. In Ceramir Restore QuikCap, the material is supplied in a capsule for mixing and direct application. The minimum volume of mixed material delivered from one capsule is 0.13 ml. The product is available in the A2 opaque shade. The shade and translucency of the material progress with time. The initial whiter and more opaque shade makes identification and removal of excess material easy.

A capsule applicator and a mixing device are required for use. We recommend Ceramir Applicator 2 (REF: 40027) from Doxa Dental AB, which is sold separately.

### 2. Indications for use

- Non-load bearing Class I and II restorations
- Deciduous teeth restorations
- Geriatric restorations
- Intermediate restorative and base material for Class I and II cavities using the sandwich technique
- Cervical (Class V) restorations
- Core build ups
- Temporary fillings
- Dentin replacement

### 3. Contraindications

- Pulp capping
- Do not use on patients with known allergy to polyacrylic acid

### 4. Precautions

Ceramir Restore QuikCap contains polyacrylic acid, which may be irritating to eyes and skin. Avoid contact with eyes. In case of skin contact, rinse with plenty of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical care.

In rare cases, the product may cause sensitivity to some people. If such reactions are observed, discontinue the use of the product and consult a physician.

## 5. Step-by-step instructions

### 5.1 Cavity preparation

1. Prepare the tooth using standard techniques. Extensive mechanical retention is unnecessary. If pulp capping is required, use accepted standard clinical procedures.
2. Rinse with water.
3. Air dry gently with oil free air or cotton pellets. Do not desiccate. Prepared surfaces should appear moist (glistening).

### 5.2 Activation and mixing

#### ATTENTION: WORK QUICKLY

Start mixing immediately following activation (the reaction between the liquid and powder starts directly after activation).

1. Hold the capsule firmly against a hard, flat surface with the plunger facing down (fig. 1).
2. Push down firmly, forcing the plunger into the body of the capsule until it stops (fig. 1).
3. Immediately place the capsule in a high-frequency oscillating (4,000 to 5,000 rpm) or rotating capsule mixer. Mix for 10 seconds (fig. 2).

### 5.3 Application

1. Immediately insert the capsule into the applicator using the grooves to hold it in place (fig. 3).
2. Gently squeeze the dosing lever two times to push the material towards the tip.
3. Within 20 seconds from start of mixing, extrude Ceramir Restore QuikCap from the bottom of the cavity, being careful not to trap air under the restoration (fig. 4). Avoid lifting the tip out of dispensed material while dispensing to minimize air entrapment.
4. When the material no longer sticks to the instrument, immediately start packing, removing excess material, and contouring (fig. 5). The material can be manipulated for approximately 10 seconds or until excessive force is required.
5. After application, remove the empty capsule using the applicator release button.

### 5.4 Finishing

Start finishing no earlier than 6 minutes after activation (fig. 2-6). To avoid discolorations, it is recommended to use white stones for both excess removal and dry polishing.

**NOTE!** Use only low speed handpiece.

1. Remove excess material under water spray using white stones at low speed (fig. 7).
2. Gently air-dry the surface (fig. 8).
3. Dry-polish the surface using white stones at low speed until a high gloss is achieved (fig. 9). Take care to polish in short intervals to avoid increased temperatures.
4. Instruct the patient not to apply pressure for 1 hour.

**NOTE!** By dry-polishing, a more durable restoration is achieved.

**NOTE!** The material darkens and becomes more translucent with time. The shade can change for up to a week before achieving the final shade.

## 6. Working and setting times

Minimum working time (from start of mixing) at 23°C/73°F: 1 minute.

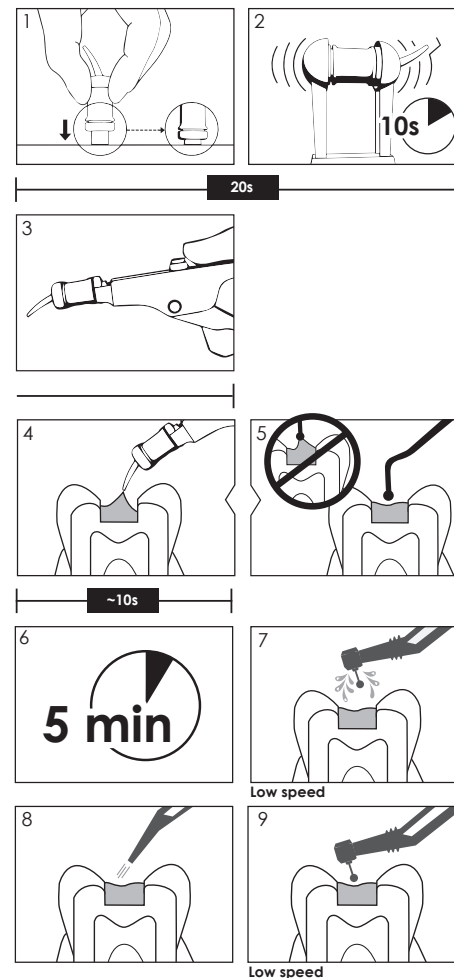
Setting time (from end of mixing): 6 minutes.

**NOTE!** Temperatures above 23°C/73°F will accelerate setting and reduce the working time available.

## 7. Storage and shelf life

Keep Ceramir Restore QuikCap capsules at temperatures between 4°C/39°F and 20°C/68°F. Do not open the aluminum pouch until immediately before use.

**Do not use Ceramir Restore QuikCap capsules after their expiration date.**



### Symbols

- Batch code
- Temperature limit
- Use-by date
- Catalogue number
- Consult instructions for use
- Manufacturer
- Caution
- Do not re-use

Radiopaque

Capsule

Rx ONLY Caution: Federal (USA) law restricts this device to sale by or on the order of a physician.

An extended symbols glossary is provided electronically at:  
[www.ceramirdental.com/symbols/](http://www.ceramirdental.com/symbols/)

Doxa Dental AB  
Axel Johanssonsgata 4-6, SE-754 50 Uppsala, SWEDEN  
Phone: +46 (0) 18 478 20 00 [www.ceramirdental.com](http://www.ceramirdental.com)

### Warranty

Doxa Dental AB warrants that the Product will be free from defects in material and manufacture. This warranty shall (i) only apply within the Product's shelf life/expiration date (the "Warranty Period") and (ii) further only if the Product has been used strictly in accordance with these Instructions for Use. DOXA DENTAL AB MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, REGARDING THE PRODUCT, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. Users are responsible for determining the suitability of the Product for their application.

### Limitation of Liability

If this Product is found defective within the Warranty Period, your exclusive remedy and Doxa Dental AB's sole obligation and liability shall be the repair or replacement of the Doxa Dental AB Product. EXCEPT WHERE PROHIBITED BY LAW, DOXA DENTAL AB WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PRODUCT, WHETHER DIRECT, INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL INCLUDING LOSS OF PROFITS, REGARDLESS OF THE THEORY ASSERTED, INCLUDING WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR STRICT LIABILITY.

For US Customers: Doxa Dental Inc.  
1(855) DOXA - USA (369-2872) [www.ceramirdental.com](http://www.ceramirdental.com)

Ceramir® is a trademark of Doxa Dental AB  
Date of latest revision: 2020-11-13  
10304-AA