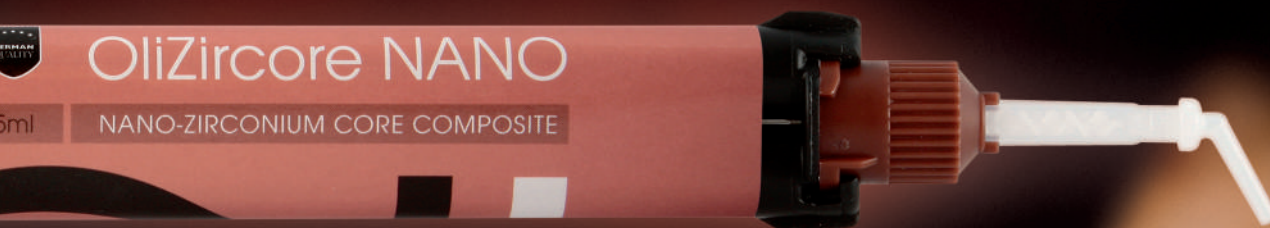




**OLIDENT**  
INNOVATION

# OliZircore NANO

NANO-TECHNOLOGY  
IN THE TOOTH RECONSTRUCTION



**OliZircore NANO**  
5ml NANO-ZIRCONIUM CORE COMPOSITE



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5ml NANO-ZIRCONIUM CORE COMPOSITE

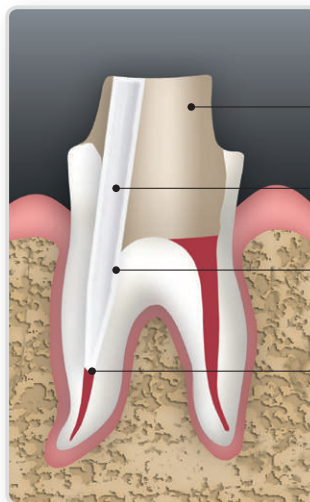
- **NANO** - particles of zirconium oxide and calcium fluoride
- flexibility of natural dentin
- dentin remineralization
- excellent visibility in X-rays



## OliZircore NANO

We are pleased to present the NEW product that joined the integrated system of tissue reconstruction after endodontic treatment - **OliZircore NANO**. This is an innovative dual-curing flowable composite, which uses nano-molecular technology.

**OliZircore NANO** is irreplaceable, both as material for core build-ups and cementation of endodontic posts. Together with the fiberglass OliPost Light, it creates a homogeneous and durable structure for the permanent tooth reconstruction.



**OliZircore NANO\***  
core build-up reconstruction

OliPost Light  
glass fiber posts

**OliZircore NANO\* | OliCem SE\***  
posts cementation

OliBOND + OliActivator  
bonding system for dual-curing  
composites

\* News of the Year 2014

## Reliable and durable tooth reconstruction.

### NANO-technology of the hybrid structure

The exceptional mechanical properties of **OliZircore NANO** is guaranteed by the innovative molecules structure. The material is highly resistant to compression<sup>①</sup> and bending, with preserved optimum modulus of elasticity<sup>②</sup>. These features make **OliZircore NANO** a perfect replacement of the natural dentin.

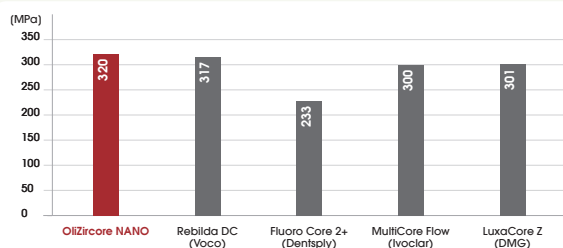
### Security and predictability of treatment

Properly balanced features of **OliZircore NANO** ensure that cured material can be shaped exactly like dentin, and the work itself is easy and predictable. Extra safety, especially in the reconstruction of vital teeth is guaranteed by a lack of temperature increase during material polymerization.

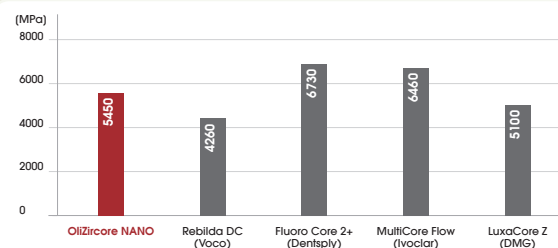
### Dentin remineralization and visibility in the X-ray

The content of nano-particles of calcium fluoride allows dentin remineralization, and nano-zirconia particles generate much greater visibility on x-rays. Monitoring of the final reconstruction becomes more accurate and easier.

#### ① Compressive strength of **OliZircore NANO** and competitive materials



#### ② Elasticity modulus of **OliZircore NANO** and competitive materials.



\* Internal manufacturer research; Germany.



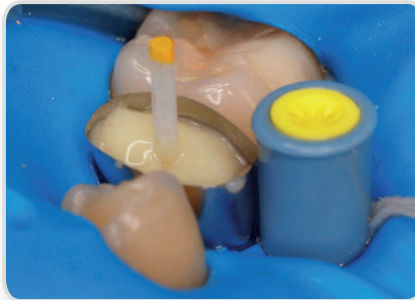
## Crown&root reconstruction with the use of the integrated system for tissue reconstruction after endodontic treatment.

Images by courtesy of **Dr. n. med. Marcin Aluchna**, *Specialized Dental Office, Warsaw*

### Case No. 1 Core build-up for the crown.



Tooth 21 after endodontic treatment filled temporarily with the glass-ionomer cement.



After glass-ionomer removal, preparation and etching, the bonding system with activator was applied. The above picture shows the application of **OliZircore NANO** followed by **OliPost Light** placement.



After **OliZircore NANO** polymerization the partial crown form was developed.

### Case No. 2 Restorative reconstruction after endodontic treatment.



Tooth 28 after endodontic treatment with the secondary caries outbreak. Stage during tooth preparation and access to the root canal.



After preparation and bonding system application, **OliZircore NANO** and glassfiber **OliPost Light** was placed.



After the polymerization the glass post was shortened and **OliZircore NANO** was shaped. Direct filling was prepared with **OliREVO A3** composite. The picture shows the final development and polishing stage.

” While working with **OliZircore NANO** you will notice the ease of application, flowability and the stability of the final shape. After the polymerization, the material becomes hard and becomes a solid foundation for the restoration. Warm natural color works perfectly for aesthetic prosthetic and restorative reconstructions.

dr n. med. Marcin Aluchna

## Features and benefits of **OliZircore NANO**:

- ✓ use as a core build-up and post cementation material
- ✓ smooth consistency during application and predictable development of the stump
- ✓ dual-curing in the root canal
- ✓ low temperature during the chemical curing for the tissue safety
- ✓ remineralization of dentin due to nano-particles of calcium fluoride
- ✓ high content of nano-zirconium oxide particles for better visibility in the X-ray
- ✓ precise and durable reconstruction thanks to exceptional mechanical properties



## OliZircore NANO

1 syringe 5ml, A3  
5 mixing tips MiniMIX  
5 intraoral tips Short  
5 intraoral tips Long

CODE	OL 049
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## OliCem SE

1 syringe 5ml, Transp.  
10 mixing tips MiniMIX  
5 intraoral tips Long

CODE	OL 031TR
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## OliPost Light

diameter	Ø 1,0	Ø 1,2	Ø 1,4	Ø 1,6
SET 20 posts + drills	OL 500			
SET 5 posts + drills	OL 509	OL 510	OL 511	OL 512
SET 5 posts	OL 517	OL 518	OL 519	OL 520
SET 10 posts + drill	OL 513	OL 514	OL 515	OL 516
SET 10 posts	OL 521	OL 522	OL 523	OL 524
drill	OL 505	OL 506	OL 507	OL 508



## OliBond

1 bottle 5ml

CODE	OL 001
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ECO	OL 001E
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## OliActivator

1 bottle 5ml

CODE	OL 002
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ECO	OL 002E
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**OLIDENT Sp. z o. o., Sp. k.**

Podleze 653

32-003 Podleze

tel. +48 690 449 304

tel. +48 501 763 045

info@olident.com

www.olident.com



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