



# TECHNICAL DATA SHEET

**Product:** Alpha-TCem™ NE Non-Eugenol Cement

**Product Description:** Alpha-TCem™ NE is a non-eugenol temporary cement. Alpha-TCem™ NE is designed for temporary cementation of crowns, bridges, inlays and onlays. It offers strong adhesion to the tooth yet allows easy removal of the temporary restoration.

**Indications for Use:** Alpha-TCem™ NE is indicated for temporary cementation of provisional crowns, bridges, inlays, and onlays.

**Appearance:** 1:1 ratio (by volume), 2-paste system  
Accelerator: amber, translucent  
Base: white, opaque  
Shade: off-white

**Curing Mechanism:** Chemically cured by mixing base and accelerator together.

**Shelf-Life:** 24 Months

**Filler Type:** Starch and silica

**Main Composition (%w/w):**

Base:	%
Zinc Oxide	50 – 60
Starch	20 – 30
Natural Oils	15 - 25
Accelerator:	%
Resin	55 – 65
Mixture of fatty acids	30 – 40
Thickener	0 – 10

**Physical /Mechanical Properties:**

Working time:	≥2 min. at 23°C
Setting time:	≤5 min. 30 sec. at 37°C
Compressive strength:	≤35 MPa at 24 h
Film thickness:	≤25 μm
Acid-soluble arsenic content:	≤2 mg/kg

**Regulatory Classification:**

This product is in conformity with the following standard(s) or other normative documents:

- International Standard ISO 3107:2011 Dentistry – Zinc Oxide/Eugenol and Zinc Oxide/non-Eugenol Cements
- European Standard EN 1641:2009 – Medical Devices for Dentistry – Materials
- Code of Federal Regulations 21CFR Part 820 – Medical Device Quality System Regulation

**Signature/ Date:** John Pontikis / 10/25/18

**Name:** John Pontikis  
**Position:** Management Representative