

## Sales Datasheet – QualiSense UNI LUTE

### 1. Product Name and Classification:

- Trade Name: **QualiSense UNI LUTE**
- Product Type: **Dual-Cure Self-etching Resin Cement**

### 2. Composition and Technical Features:

Feature	Value
Resin Base:	<b>Methacrylate-based</b>
Filler Type:	<b>Inorganic fillers</b>
Filler Content:	<b>50% by weight, 45% by volume</b>
Mixing Ratio:	<b>4:1</b>
Working Time:	<b>1:30 min</b>
Setting Time:	<b>4:00 min</b>
Flexural Strength:	<b>70 MPa</b>
Elastic Modulus:	<b>3000 MPa</b>
Compressive Strength:	<b>180 MPa</b>
Film Thickness:	<b>12 µm</b>
Initial Ph:	<b>~2</b>
Shear Bond Strength to Dentine:	<b>11.9 MPa</b>
Shear Bond Strength to Enamel:	<b>9.2 MPa</b>
Adhesion to Non-Precious Metal:	<b>22.4 MPa</b>
Adhesion to Zirconia:	<b>15.7 MPa</b>
Adhesion to Composite:	<b>14.0 MPa</b>
Adhesion to Titanium:	<b>7.5 MPa</b>
Fluoride Release:	<b>High</b>

### 3. Key Selling Points

- Dual-cure system ensuring secure polymerization even in deeper areas.
- Self-adhesive and self-etching properties eliminate the need for separate etching and priming steps
- Excellent adhesion to multiple substrates including metal, zirconia, composite, and dentine.
- High fluoride release for long-term caries prevention.
- Low film thickness (**12 µm**) ensuring perfect marginal fit.
- Reliable bond strength with minimal post-operative sensitivity.

### 4. Packaging

- Automix syringe: **5 ml (10 g)**

### 5. Indications

- Cementation of crowns, bridges, inlays, onlays, and veneers
- Bonding to metal, ceramic, composite, Implant and tooth structure

### 6. Storage and Shelf Life

- Store at temperatures between **2°C and 25°C** (36°F to 77°F).
- Avoid exposure to direct sunlight or excessive heat.
- Shelf life: **24 months** from the date of manufacture when stored properly.

### 7. Ordering & Contact Information

- Product Code: **L515-10**