

# Glaslonomer FX *ULTRA*

Self-cured, universal glass ionomer  
restorative material



# The quick path to strong and aesthetic restorations

Glass ionomer restoratives for posterior teeth are still popular – not least because they have proved themselves in clinical use for many years. They are biocompatible, self-adhere to enamel and dentine, sustainably release and recharge fluoride at the same time and can be used without meticulous moisture control, unlike composite restoratives. The key benefits of SHOFU'S new Glaslonomer FX ULTRA are enhanced aesthetics and strength:

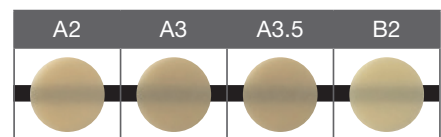
In contrast to conventional glass ionomers, the restorations are hardly noticeable in the oral environment. This is achieved by a special glass filler, which increases the material's translucency, so that it appears more natural. And a compressive strength of 256 MPa now gives FX ULTRA restorations long-term resistance to the intraoral forces acting on posterior teeth.

## Ideal for a wide variety of clinical cases...

- Restorations of deciduous teeth
- Restorations of non-stress-bearing Class I and II cavities in permanent teeth
- Restorations of Class III and V cavities, including cervical erosions, root abrasions and wedge-shaped defects
- Core build-ups

## Quick and easy application to the cavity

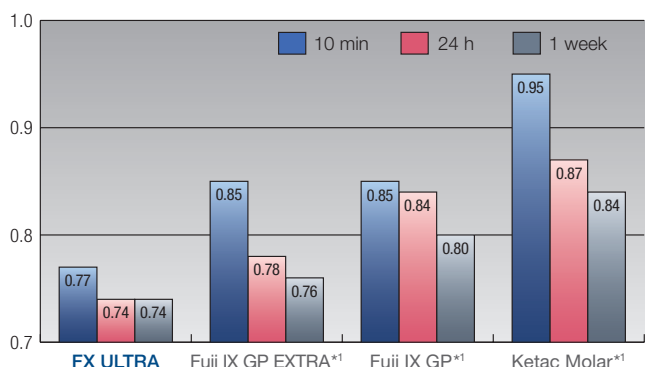
Powder and liquid quickly react to form a smooth, non-sticky paste, which can be easily applied to the cavity in one step. FX ULTRA is available in the four VITA<sup>\*3</sup> Classical shades A2, A3, A3.5 and B2.



## Remarkable translucency, exceptional shade stability

FX ULTRA shows a remarkable degree of translucency directly after setting. As compared to conventional glass ionomer restoratives, it is also characterised by exceptional shade stability: There are only minimal, virtually negligible changes in value, chroma and hue over time.

**Contrast ratio\*2**  
(10 min / 24 h / 1 week after start of mixing)  
(0 = transparent / 1.0 = opaque)



## Class V fillings with Glaslonomer FX ULTRA

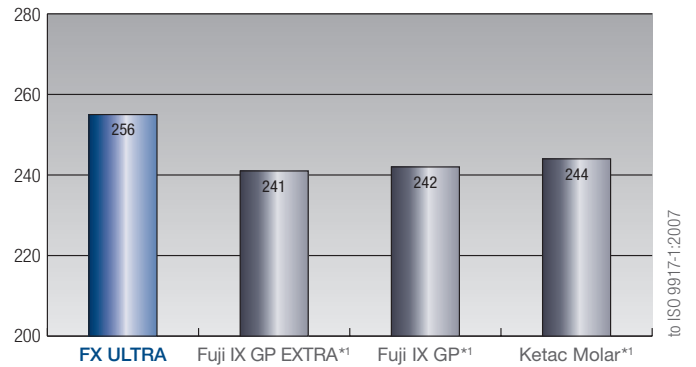


Photos: Dr. Sushil Koirala

### Strong and durable

FX ULTRA is based on a special formulation of glass and polyacrylic acid. It sets by forming stable ionic bonds; the result is a strong and durable glass ionomer matrix, showing long-term resistance to intraoral forces, so that the material is mechanically suitable for posterior use.

Compressive strength (24 h)<sup>\*2</sup> in MPa



## Posterior restorations with Glaslonomer FX ULTRA

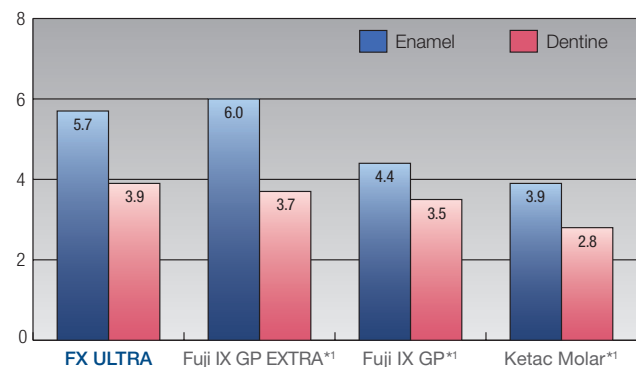


Photos: Dr. Kenji Murai

### Reliable adhesion without etching

FX ULTRA reliably adheres to enamel and dentine without the need for additional surface conditioning. High shear bond strength minimises the risks of microleakage and marginal discoloration, ensuring durable and aesthetic restorations.

Shear bond strength (24 h)<sup>\*2</sup> in MPa



## Sustained caries-protective effect

FX ULTRA restorations recharge fluoride ions from food, toothpastes or fluoride gels and continuously release them.

## Instruction for use

Powder : liquid ratio	2.7 g : 1.0 g	1 scoop : 1 drop
Mixing time (at 23 °C)	45 sec	from start of mixing
Working time (at 23 °C)	2 min 20 sec	from start of mixing
Setting time (at 37 °C)	2 min 30 sec	from end of mixing

## Order information

Both sets are available in the VITA\*3 Classical shades A2, A3, A3.5 and B2.



### Glaslonomer FX ULTRA 1-1 Simple set

Powder 15 g, liquid 8 ml,  
measuring scoop, spatula, mixing pad  
PN C0030 (A2), C0031 (A3), C0032 (A3.5), C0033 (B2)



### Glaslonomer FX ULTRA Mini set

Powder 10 g, liquid 5.2 ml,  
measuring scoop  
PN 1125 (A2), 1126 (A3), 1127 (A3.5), 1128 (B2)

\*1 Not a registered trademark of SHOFU INC.

\*2 Source: R&D SHOFU INC., Japan

\*3 VITA is a registered trademark of VITA Zahnfabrik, Bad Säckingen, Germany.

