

RestorePLUS Core Build

Dual Cure Flowable Core Build Up Material



RestorePLUS Core Build is a dual curing flowable composite, defined by its high flexural and compressive strength.

Specially formulated for ease of use in areas where it is difficult to light cure as the dual curing properties ensure polymerisation.

The excellent flow consistency ensures great handling characteristics and allow easy adaptation to the tooth structure.

Offered in two delivery systems for personal preference.

Delivery System

REF 010/1620 1:1 5ml double barrel syringe & 5 tips

REF 010/1621 1:1 25ml cartridge & 10 tips

Characteristics

- Dual Cure
- High Flexural strength
- High compressive strength
- Excellent handling characteristics

Technical Data

- Working time 2.00 mins
- Total Self curing time 3.30 mins
- Flexural strength (MPa) 135
- Compressive strength (MPa) 350
- Edge strength (N) 110

PHYSICAL PROPERTIES

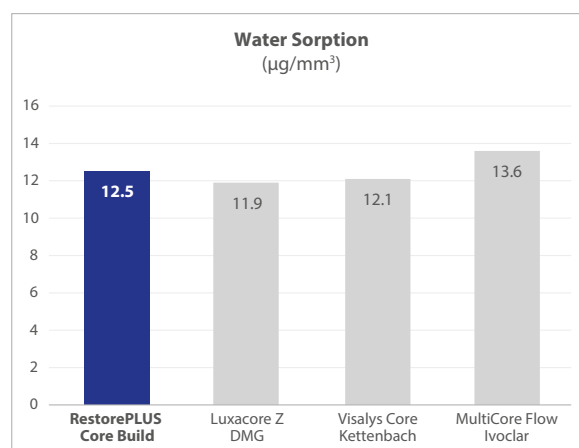
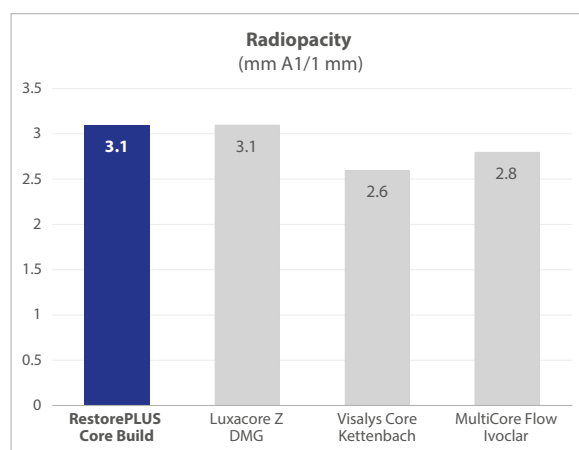
Radiopacity

The radiopacity is an important property as it facilitates the ability to distinguish between other tooth and surrounding tissue, particularly where the material is covered by a crown. The incorporation of highly radiopaque glass fillers in **RestorePLUS Core Build** ensures the radiopacity of the final core build-up.

Water Sorption

All resin based dental composites are susceptible to slow degradation and erosion, the degree of which depends upon the composition of the material.

RestorePLUS Core Build consists of low sorption organic monomers and specific particle sized glass fillers that ensure the water sorption in the restoration is at the lowest level.



MECHANICAL PROPERTIES

Flexural Strength

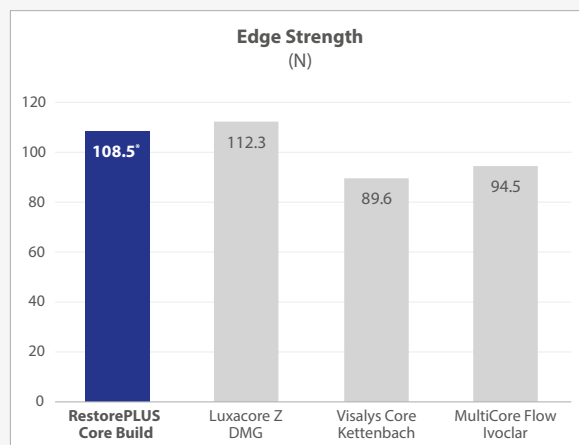
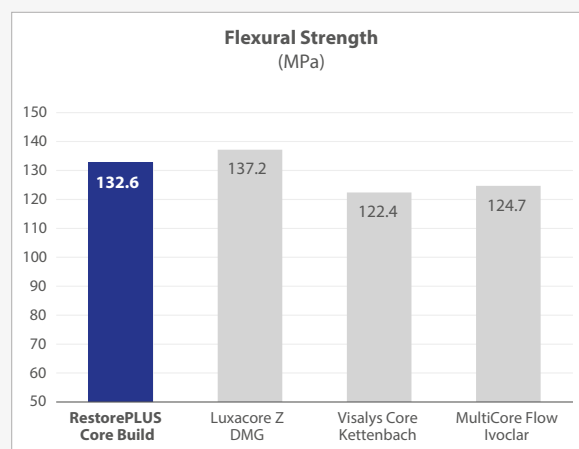
The flexural strength of a material is the maximum stress that it can resist before failure when subjected to bending load. Successful restorations require high flexural strength to enable easy initial placement and ensure long-lasting efficiency.

When measured according to the requirements of ISO 4049, **RestorePLUS Core Build** provides exceptionally high flexural strength values due to the highly elastic properties of the organic monomers in the product formulation.

Edge Strength

Dental restorations must have very high resistance against fracture, particularly the edge as this is the most sensitive area. The higher the edge strength the better protection against potential fracture leading to restoration failure or secondary caries.

The composition of **RestorePLUS Core Build** ensures the exceptional resistance of the final restoration against edge fracture.



* Measured by the University of Manchester