

COMPETITIVE COMPARISON

Core-Flo™ DC & Core-Flo™ DC Lite

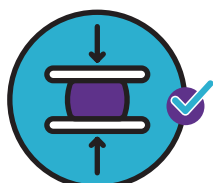
Composite Resin Core Build-Up

VS

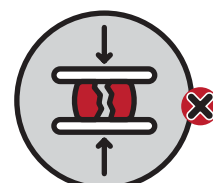
Resin-Modified Glass Ionomer Core Build-Up Materials

1 High Compressive Strength

BISCO's Core-Flo DC & DC Lite have high compressive strength which is important when choosing a core material. A strong, core build-up material can better withstand "deformation and fracture, provide more equitable stress distribution, greater stability, and greater probability of clinical success."²



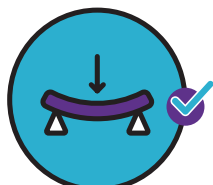
Compressive Strength



Compressive Strength

2 High Flexural Strength

BISCO's Core-Flo DC & DC Lite have high flexural strength, allowing for a more fracture resistant restoration.¹



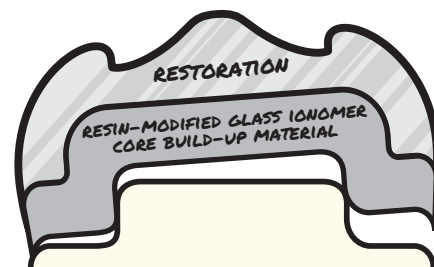
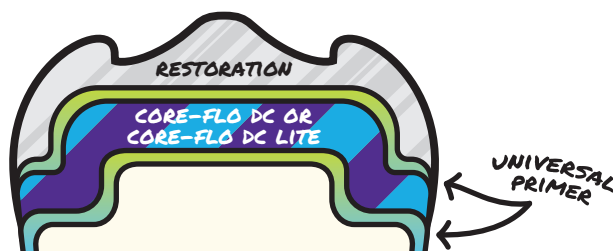
Flexural Strength



Flexural Strength

3 High Bond Strength

BISCO's Core-Flo DC & DC Lite, when paired with Universal Primer™, have high shear bond strengths to dentin, impacting the core build-up procedure by lowering the possibility of dislodgement.⁵



1. Jayanthi, N., & Vinod, V. (2013, September). Comparative evaluation of compressive strength and flexural strength of conventional core materials with nanohybrid composite resin core material in an vitro study. Journal of Indian Prosthodontic Society. Retrieved March 2, 2022, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3732736/>
2. Kumar, G., & Shivrayan, A. (2015). Comparative study of mechanical properties of direct core build-up materials. Contemporary clinical dentistry. Retrieved March 2, 2022, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4319337/>
3. McEwen, K., Finkelman, M., Larsen, C., Harsono, M., Park, A., Tuttle, R. D., & Kugel, G. (2013, March 23). Dentin shear bond strength of RMGI cements. Dentin Shear Bond Strength of RMGI Cements IADR Abstract Archives. Retrieved June 22, 2022, from <https://iadr.abstractarchives.com/abstract/13iags-174499/dentin-shear-bond-strength-of-rmgi-cements>
4. Singh, G., Agrawal, S., Bhatt, A., & Boruah, L. C. (n.d.). Resin based core B GUILD UP materials - A Review. Retrieved March 3, 2022, from <https://www.ipinnovative.com/journal-article-file/9826>
5. Data on file