

Hi-Bond® UNIVERSAL

FDA
MULTI PURPOSE UNIVERSAL ADHESIVE

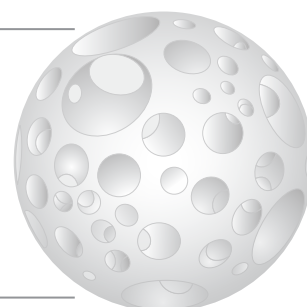
8th Generation bonding system containing 10-MDP and MBG filler.

Advantages

- Hi-Bond Universal is one-bottle adhesive containing 10-MDP and can be applied reliably to all etching procedures
- Hi-Bond Universal induces a formation of hydroxyapatite and helps remineralization on the dentin surface with specialized technology of “MBG”

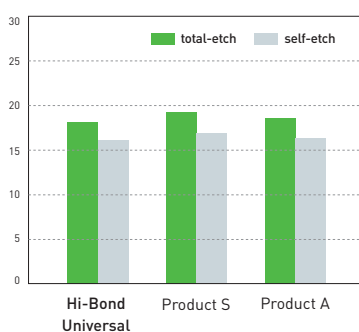
MBG(Mesoporous Bio Glass) Nano Filler

- It incorporates MBG as a filler which has nano pore size and large specific surface area
- MBG induces a formation of hydroxyapatite on dentin surface
- MBG helps remineralization and dentin Hypersensitivity mitigation of dentin

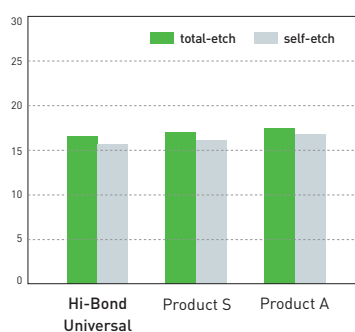


Physical properties

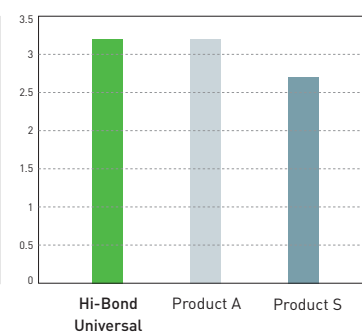
Bovine enamel bond strength (MPa)



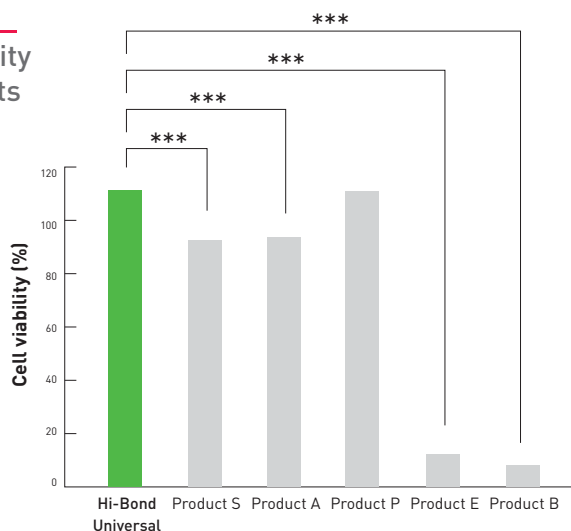
Bovine dentin bond strength (MPa)



pH



Cell viability test results

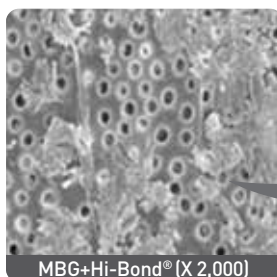
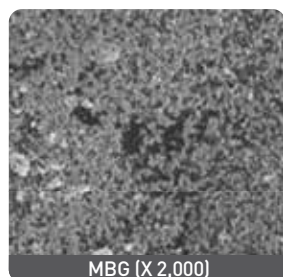


MBG SEM (X 2,000)

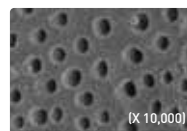


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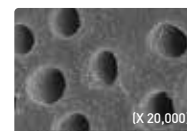
Formation of
hydroxyapatite(HAP)
intraoral

IV. Dentinal tubule
remineralization test result

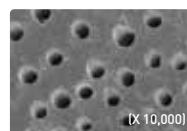
Product A



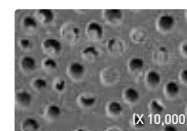
Before



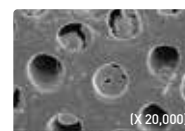
After 2 weeks

Hi-Bond®
Universal

Before



After 2 weeks



After 2 weeks

Application
method

Apply Hi-Bond Universal (Make sure
over 20 sec. of agitation by microbrush)



Remove the solvent completely with
gentle air blow



light-curing with Hi-Bond Universal
(10sec.)



FDA

8th GENERATION MULTI PURPOSE UNIVERSAL ADHESIVE

CONTENTS

303-2 Hi-Bond Universal 5ml x 1ea

303-3 Hi-Bond Universal 2.5ml x 1ea

5th GENERATION BONDING SYSTEM

CONTENTS

303-1 Any-Bond 5ml x 1ea