

Press Release

Heraeus Kulzer launches universal bonding agent

Convenient bonding for all purposes with iBOND® Universal

Hanau, January 2015 – **Several definitions for the word ‘universal’ seem to exist on the dental market when describing a bonding agent. Yet, universal simply means ‘generally applicable’, and that is how it should be. However, exactly this has so far presented the challenge in terms of stable bonding. For an adhesive to be generally applicable, it should naturally be compatible with all kinds of dental materials. It should also work with different bonding techniques and cover all indications for the adhesion of direct and indirect restorations. To be truly universal, it should also be conveniently easy to use and precise in application. As a basic requirement, it must be safe and provide excellent, durable bond strength. Last but not least, as a modern bonding agent, it should meet all these demands in one bottle.**

With iBOND Universal, Heraeus Kulzer will introduce the new bonding agent at the IDS in Cologne that combines all these properties. In addition, the company’s scientists have combined their expertise in the development of bonding agents to create an intelligent new formula. The resulting moisture control system provides instant and reliable bond strength.

For the creation of iBOND Universal, scientists from Europe and Japan have cooperated in order to develop a bonding agent that combines the best of two worlds. The result: an adhesive with a unique moisture control system. Acetone acts like a water chaser and supports the fast evaporation of water. During the air-drying, the water phase is separated from the monomer phase and improves the bonding efficacy. This effect leads to easier air-drying, reduced technique-sensitivity and a homogeneous bonding layer. The different components interact

to allow the fast evaporation of water, effective etching, good penetration into the dentinal tubules. The intelligent new formula of iBOND Universal contains MDP and provides instant and reliable bond strength.

iBOND Universal is compatible with light-, self- and dual-cure materials without the need of a dual cure activator. That means reliable bond strength for all common types of restorations and materials, from resin cements and core-build-up materials to self-cure composites and compomers for the cementation of indirect restorations. Silicate ceramics are bonded with the additional iBOND Ceramic Primer. iBOND Universal can be applied for bonding of direct restorations for all cavity classes and fissure sealants, sealing of cavities and core preparations, cementation of indirect restorations, or sealing of hypersensitive tooth areas. Restoration fractures or chippings and localised caries lesions at the restoration margin can be repaired at one appointment instead of costly replacements, making the process very effective and economical. This allows the direct, easy repair of all types of dental ceramics including oxide and silicate ceramics, composites and metal restorations with one layer of iBOND Universal in combination with composites. To bond and repair silicate ceramics, iBOND Ceramic Primer is used for enhanced bond strength. iBOND Universal also respects the user's personal habits. Whether dentists prefer bonding in the total-etch-, selective etch or self-etch-technique, they can apply iBOND Universal with any of these methods. Additionally, users benefit from a short curing time of only 10 seconds.

iBOND Universal represents the quality of a universal bonding by being broadly and easily applicable. With this in mind, Heraeus Kulzer offers applicator tips in two sizes for more flexibility and efficacy for all cavity sizes. iBOND Universal is stored simply at room temperature, refrigeration is not necessary. From the first application of a homogeneous adhesive layer, the excellent handling properties of iBOND Universal and its durable, reliable bond strength is convincing for users of any generation of bonding agents.

Last but not least, the bonding agents and desensitizers from Heraeus Kulzer come exclusively with drop control. This means that every bottle of iBOND is

equipped with a notched design which ensures a perfect cut of the drop and prevents drops from running down the bottle. The result is a very precise dispensing of iBOND bonding agent. Thanks to this accurate dispenser, the number of single drops per bottle goes up to 220, adding up to roughly 30% more output than with the old dropper design. As one of the world's leading dental companies, Heraeus Kulzer once again proves its profound knowledge of dentists' needs and facilitates their clients' working routines.

See www.heraeus-kulzer.com for further information on Heraeus Kulzer and the company's product range. Or visit Heraeus Kulzer on YouTube and find more interesting videos under www.heraeus-kulzer.com/youtube.

About Heraeus Kulzer

Heraeus Kulzer GmbH is one of the world's leading dental companies with its headquarters in Hanau, Germany. As a trusted partner, the company supplies dentists and dental technicians with an extensive product range, covering cosmetic dentistry, tooth preservation, prosthetics, periodontology and digital dentistry. More than 1,400 employees at 25 locations worldwide are driven by their expertise and passion for the dental market and embody what the name Heraeus Kulzer stands for: service, quality and innovation. In 2013 Heraeus Kulzer's product turnover exceeded 400 million USD.

Heraeus Kulzer has been part of the Japanese Mitsui Chemicals Group since July 2013. Mitsui Chemicals Inc. (MCI) is based in Tokyo, and has 134 affiliates with more than 14,700 employees in 27 countries worldwide. Its innovative, practical chemical products are as much in demand in the automotive, electronics and packaging industries as they are in other fields such as environmental protection and healthcare.

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