New universal adhesive with active moisture control

By Dentsply Sirona

Dentsply Sirona is proud to introduce Prime&Bond universal™ universal adhesive. Designed for all etching methods and indications, Prime&Bond universal features patented Active-Guard™ Technology – a significant advancement in adhesive chemistry that actively controls moisture on the prepared surface. Even if dentin is overly wet or dry, Prime&Bond universal is simple to use and provides consistent results for a strong, reliable bond.

Most dental adhesives are rather hydrophobic: they separate from water. With too much water on the prepared surface, these rather hydrophobic adhesives fail to cover the prepared surface uniformly. During air-drying, adhesive gaps can form as embedded pockets of water evaporate, increasing the risks of post-operative sensitivity and bond failure.

Active-Guard Technology with active moisture control is exclusively designed to protect against these risks.

The patented Active-Guard Technology balances hydrophobic and hydrophilic features and helps to achieve an optimized surface tension. Thus, Prime&Bond universal can overcome the surface tension of water, allowing the adhesive to spread evenly across the dentin and into the dentinal tubules to form a uniform, homogeneous layer. When the adhesive is air-dried, solvent and excess water evaporate uniformly to leave a thin, consistent coating of adhesive across the entire surface. The result is a strong, reliable bond, with virtually no post-operative sensitivity.

In addition to active moisture control, Prime&Bond universal provides several benefits over competing universal adhesives, including:

- **Active spreading** across the prepared surface to minimize the risk of dry spots that can lead to post-operative sensitivity and micro-leakage.
- **Low film thickness**, minimizing the risks of changing the preparation geometry and compromising crown fit, or leaving adhesive pools that may show up on radiographs and can be misdiagnosed as voids, gaps or secondary decay.
- **No need to apply an activator** when used with Calibra® Ceramic cement.
- **Convenience and control**, with one-handed opening of Flip Top Cap bottle, precise dispensing, and up to 30 minutes of working time in a closed CliXdish™.
- **Innovative formulation** without any HEMA, TGDMA and Bisphenol.

Prime&Bond universal with patented Active-Guard technology is simple to use, delivers consistent results and helps ensure a strong bond even when dentin is overly wet or dry. To learn more and try a sample, contact your Dentsply Sirona representative or visit www.dentsply.eu.

**Planmeca – 45 years of better care through innovation**

By Planmeca

2016 marks the 45th anniversary of Planmeca. Founder and President Heikki Kyöstilä attributes the company’s success to a strong commitment to R&D, as well as a clear vision for the future. Planmeca’s steady ascent to the top of the dental industry has been a shining example of the power of innovation and Nordic spirit.

The story of Planmeca began in 1971 in a garage in Finland’s capital city Helsinki.

“Starting the company was like skydiving without parachute”, Heikki Kyöstilä illuminates. “The jump paid off – today Planmeca is a global leader in health care technology.”

Indeed, the company that Kyöstilä started from nothing now boasts an extensive product portfolio that covers everything needed at a modern dental clinic – from high-tech dental care units to world-class 2D and 3D imaging devices, comprehensive CAD/CAM equipment and powerful software solutions.

Planmeca’s products are still designed and manufactured in Helsinki, at the company’s headquarters. Using the latest technology and best materials, they are tailored to meet the unique needs of dental professionals in different markets. Planmeca is the largest family business in its field today, with over 98% of its products exported abroad to over 120 countries worldwide.

According to Kyöstilä, the secret behind his company’s success and never-ending innovation is a strong and unwavering commitment to Research and Development. Up to 10% of the Planmeca’s annual turnover is invested in R&D. The company also works closely with renowned dental universities and leading experts in forming its product portfolios.

“At Planmeca, we always operate with the future in mind. I strongly believe that we will guide dentistry into the future like no one else can.”

Dentsply Sirona

FKG Dentaire SA

Swiss Pavillion

TotalFill®, Premixed Bioceramic Materials

Planmeca Founder and President: Mr. Heikki Kyöstilä

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Planmeca Founder and President: Mr. Heikki Kyöstilä
Guy Leaver, Neoss Chief Financial Officer, talked to Dental Tribune about the company’s history, products and future plans

By DTI

Neoss was founded in 2000 by CTO, Fredrik Engman and Professor Neil Meredith and is head quartered in Harrogate, North Yorkshire, in the United Kingdom. The business has operations in Australia, Austria, Germany, Italy, New Zealand Sweden and the USA. In recent years the expansion has been via appointed distributors in Europe, Asia and now the Middle East. This continued expansion has propelled the business forward with sales in constant currency increasing year on year since it was founded.

Guy Leaver stated “We are very proud of our business, our European heritage, Neoss products are all manufactured in Europe, Switzerland and the UK and are manufactured to the highest quality”. Neoss products are developed by its Product Development and Research team and they always aim to develop products which are innovative and market leading. Neoss ProActive® Implants are manufactured in Sweden and are protected by 3 patents, the macro geometry, thread forming and cutting, abutment connection and ProActive Surface. The Neoss ProActive surface was introduced in 2009 and creates a surface with dual roughness yet it is also superhydrophilic. This surface enhances protein aggregation and can accelerate fibrin network formation. Studies show the etched and blasted ProActive surface stimulates bone to form more rapidly and with a greater strength at the implant interface. Neoss launched its Neoss ProActive® Tapended Implant in 2012, to add to the Neoss ProActive® Straight Implant.

Neoss states its objective is to “Advance the science of Dental Implant Treatments” and that the Neoss Dental Implant System is the most efficient dental implant system in the market. It combines market-leading functionality for the patient with the lowest level of complexity available for the Surgeon.”

Neoss aims to continue its expansion in the Middle East and has built a strong team in a short time, which should enable the business to support more Distributors and Clinicians in the region.

If you are interested in finding out more about Neoss and its products please contact:

Mr Ahmed El Ghandour
Area Sales Manager
Middle East & Africa
Ahmed.Ghandour@neoss.com

Visit EMS at AEEDC 2017, 7-9 Feb. – booth 8E06

By EMS

This year the visit of the EMS stand at the AEEDC is particularly worthwhile. At EMS booth 8E06 we present the Guided Biofilm Therapy (GBT) this clinical protocol ensures a high standard in dental maintenance and facilitates the complete removal of subgingival as well as supragingival biofilm. GBT was developed in close cooperation with universities, dentists, dental hygienists and EMS specialists. It is safer, more comfortable and more efficient than conventional methods.

Furthermore, as part of the trade fair promotions, EMS grants special conditions. These offers are supported by all retailers in the Middle East. Don’t miss this outstanding offer.

In addition, you have the opportunity to win an AIR-FLOW® HANDY 3.0 PERIO at EMS booth raffle. The AIR-FLOW® HANDY 3.0 offers you extreme flexibility and an ergonomic design for maximum comfort. The spray handset AIR-FLOW® Porto is suitable for treatment in periodontal pockets of up to 9 mm. The replaceable and flexible FIBRO-FLOW® nozzles have a step-by-step Millimeter scale -1mm, 2mm, 3mm and 4mm. Come to EMS booth to experience the remarkable advantages of all EMS devices and to find out how they can support and facilitate your daily business.

Visit www.promedica.de to see all our products