Solutions for Dentistry

We reinvented the wheel.

October, November and December 2013



Table of Contents

Welcome
3M Core Technologies & Ideas in Practice: How 3M ESPE Reinvented the Wheel
Sof-Lex [™] System Chart
NEW Soflex [™] Spiral Finishing & Polishing Wheels
Case Study: Creating a Chameleon Effect with 3M ESPE Paradigm Composite Restorative
A "Box of Smiles" for your patients
RelyX [™] Unicem: Dental Advisor - 5 Plus Stars
Stainless Steel Crowns - New technique for managing kids' teeth
Clinical Review: Imprint [™] 4
Lava [™] Plus - True colours explained
October - December 2013 Promotions

Welcome

Dear Dental Professional,

Welcome to the October – December 2013 edition of 3M ESPE "Solutions for Dentistry."

Spring has certainly sprung and you'll find this edition ripe with information on our latest innovations in products and techniques. We have included a selection of clinical case reviews and technique updates to assist your practice and would like to take this opportunity to acknowledge all clinicians who have contributed to this publication –THANK YOU!

This month, we are especially delighted to announce, *NEW* Sof-Lex[™] Spiral Finishing & Polishing Wheels!

Soflex Spiral Wheels are a unique addition to the long-standing favourite - Sof-Lex[™] Discs System and consist of a 2 step finishing and polishing protocol which utilises an innovative spiral wheel design. The Sof-Lex Spiral Wheels System is comprised of 2 spiral wheels – beige for finishing and white for polishing and can be used to finish both direct and indirect restorations. **You can read more starting on page 4**.

Filtek[™] Supreme XTE has been used to enhance many a smile. Now you can offer your patients an even greater reason to smile - read all about our "Box of Smiles" Special Portrait offer **on page 10.**

On page 22, you can read the latest update on the world's most clinically proven self-adhesive cement. Believe it or not, **RelyX[™] Unicem - the first self-adhesive resin cement** turns 10 this year and "The Dental Advisor" has rated it 5 plus stars for its 10 year clinical performance!

Finally, our Spring into Summer promotions start **on page 18.** For more information, or to order, please contact your local 3M ESPE Product Specialist or 3M ESPE authorised distributor. Contact details are on the inside back page, or please visit: www.3MESPE.co.nz.

Warm wishes 3M ESPE Team



3M Core Technologies & Ideas in Practice Behind the Reinvented Wheel

The Sof-Lex[™] Finishing and Polishing System — a longstanding favourite of many dentists for producing beautifully smooth results—has added innovative Sof-Lex[™] Spiral Finishing and Polishing Wheels. The product is a 2 step single patient use spiral wheel that assists in finishing and polishing the teeth during restorative dentistry. The unique, flexible shape adapts to irregular, convex and concave tooth surfaces, making dental finishing and polishing easier!

The unique "bristle" shape is adapted for 3M ESPE from a patented radial bristle disc design developed by 3M Abrasives Division. This technology affords:

- · A continuous supply of mineral to work surfaces
- A variety of grits, diameters and thickness
- A flexible instrument that conforms to surfaces
- The instrument doesn't generate a lot of heat during use so no paste or water cooling is necessary.

3M ESPE optimised this design for dental applications which provides a product in 2 grits that easily adapts to all tooth surfaces, eliminating the use of multiple tools (shapes) for a single purpose to fit various contours and can be used for both anterior and posterior restorations.

Sof-Lex[™] Spiral Wheels come in 2 versions. The Sof-Lex Spiral Finishing Wheel (beige) removes scratches from the restoration surface (similar to the Sof-Lex[™] Discs, Fine) while the Sof-Lex Spiral Polishing Wheel (white) polishes the restoration to a high gloss, natural-looking surface (similar to the Sof-Lex[™] Discs, Superfine).

For obtaining samples to experience the outstanding benefits of Sof-Lex[™] Spiral Wheels, please send an e-mail to 3mespenz@mmm.com The spiral wheels are unparalleled in their ability to adapt to hard-to-reach places such as line angles and occlusal grooves.







The Sof-Lex[™] System Procedure

Sof-Lex[™] Spiral Finishing and Polishing Wheels are designed to fit perfectly into the Sof-Lex[™] Finishing and Polishing System. They use the same mandrel as the discs—and because the discs and wheels feature easy, pop-on mounting, you can move efficiently through your contouring, finishing and polishing procedure. Sof-Lex discs, strips and spiral wheels are colour-coded from dark (coarse) to light (superfine) for an easily followed step-by-step process.

	Sof-Lex™ Discs	Sof-Lex™ XT Discs	Sof-Lex™ Strips	Sof-Lex™ Spiral Wheels	Anterior	Posterior	Interproximal
Gross Redu	iction						
 Excess removal Shape anatomy Remove air- inhibited layer 	0				Sof-Lex [™] Discs, Coarse or Rotating coarse or medium contouring instruments (e.g., diamonds, carbide burs, stones)	Rotating coarse or medium contouring instruments (e.g., diamonds, carbide burs, stones)	
Final Conto	ur						
 Reduce surface roughness Complete and refine contours and margins 	0	•			Sof-Lex [™] Discs, Medium or Rotating medium or fine contouring instruments (e.g., yellow or red ring diamonds)	Rotating medium or fine contouring instruments (e.g., yellow or red ring diamonds)	Sof-Lex [™] XT Discs, Medium or Sof-Lex [™] Strips • Coarse/Medium • Coarse/Medium, Narrow
Finish							
Remove scratchesSmooth surfacePre-polish	0	0			Sof-Lex [™] Spiral Finishing Wheel or Sof-Lex [™] Discs, Fine	Sof-Lex [™] Spiral Finishing Wheel	Sof-Lex [™] Spiral Finishing Wheel or Sof-Lex [™] XT Discs, Fine or Sof-Lex [™] Strips, Fine/Superfine
Polish							
 Final polish to high gloss 	0	0			Sof-Lex [™] Spiral Polishing Wheel or Sof-Lex [™] Discs, Superfine	Sof-Lex [™] Spiral Polishing Wheel	Sof-Lex [™] Spiral Polishing Wheel or Sof-Lex [™] XT Discs, Superfine or Sof-Lex [™] Strips, Fine/Superfine

Why use points, cups, discs and brushes, when one shape will do?



We reinvented the wheel.

Introducing Sof-Lex Wheels... making finishing and polishing easier.

One shape...

- Adapts to all tooth surfaces
- · Is effective at reaching anterior and posterior restorations
- Quickly achieves a life-like luster
- Works from any angle
- Same mandrel as Sof-Lex[™] Discs
- Indicated for a variety of direct and indirect restorations, including Lava[™] Ultimate CAD/CAM Restorative

Unique Spiral Wheels - The Shape of Versatility.



Spiral Finishing and Polishing Wheels



Creating a Chameleon Effect with 3M[™] ESPE[™] Paradigm[™] Composite Restorative

Dr Clarence Tam HBSc, DDS Cosmetic and General Dentistry. Auckland, New Zealand.

Clarence is originally from Toronto, Canada, where she completed her Doctor of Dental Surgery and General Practice Residency at the University of Western Ontario and the University of Toronto, respectively. She had the privilege of completing an oral surgery externship under the guidance of Dr. Leonard Kaban at Harvard University during this time. Clarence's practice is mostly limited to cosmetic, restorative dentistry and select full face, functional arch development orthodontic cases. She is well-published to both the local and international dental press, writing articles and reviewing new and prototype products, as well as a familiar face and cosmetic dental consultant on TV3.

Clarence is the current Director and Chairperson of the New Zealand Academy of Cosmetic Dentistry. She is an Accreditation Candidate and Sustaining Member of the American Academy of Cosmetic Dentistry (AACD) and seeks to be the first in New Zealand to achieve the Accreditation Credential with them. Clarence is an Opinion Leader for Henry Schein Shalfoon, its subsidiary companies, Triodent and Voco GmbH. Clarence maintains a private practice limited to cosmetic and restorative dentistry in Newmarket, Auckland.

Patient Case: Patient presented with Class V restorations with localised moderate cervical abrasion lesions and sensitivity affecting teeth 35B and 36B. Tooth 36B in particular was sensitive to exploration with the tine of an explorer. The patient intends to bleach, and requested however to insulate her dentin first with a slightly lighter shade to facilitate "bleach blending", a reverse procedure order to what is normal protocol. (Figure 1)



Figure 1

The tooth was prepared with a long bevel and after retraction cord (#0 Ultrapak[®], Ultradent[®]) was packed without hemostatic agent, both teeth were subjected to micro air abrasion using 50 micron aluminium oxide.

The tooth was etched with 33% H3PO4 (aq), 2% CHX (aq) applied for 1 minute, and Scotchbond[™] Universal applied

and scrubbed in for 20 seconds before air-thinning (5 seconds) and Light curing (10 Seconds).

3M ESPE Paradigm[™] A2 Nano-Hybrid Composite shade was used incrementally to layer the restorations to full contour. (Figure 2 & 3)



Figure 2



Figure 3

The restorations were polished with the coarse and fine new SofLex[™] Spiral Finishing and Polishing wheel sequence.

This ingenious two-step polishing system truly shines after the polishing has been initiated with your standard primary polisher. The Sof-Lex Spiral Polishers incorporate aluminum oxide into flexible spiral fingers that have the unrivalled ability to negotiate and polish even the most intricate of grooves or fissures without flattening surface macro-anatomy, which is often a side effect of finishing and polishing grooves with conventional polishing systems. The very fact that they are shaped like Sof-Lex discs allows simple polishing of axial surfaces and line angles without the need to learn a new technique. This product is an all-in-wonder that will lift your polish to an extreme level. (Figures 4 & 5)





Figure 4

Figure 5

The final result not only is ultra functional and insulating, but it is a biomimetic result that demonstrates the clear ability of 3M ESPE Paradigm[™] to act as a restorative chameleon.



Before



Sof-Lex Spiral Wheels Frequently Asked Questions

1. Can the Sof-Lex[™] Spiral wheels be autoclaved?

No. Soflex[™] Spiral Wheels are for single use only. Sterilisation can adversely affect their performance

2. Do I need to use water spray?

This is not necessary as the Sof-Lex[™] Spiral Wheels generate very little heat in comparison to other rubberised systems.

3. What handpiece speed should be used?

Slow speed hand piece must be used with hand speed of 10,000- 20,000 RPM

4. Can I use a High speed handpiece?

No. A slow speed handpiece must be used

5. Why is there only one shape?

Having one shape eliminates the task of changing out multi – shaped polishers typically needed to polish restorations.

6. What is the composition of Sof-Lex Spiral Wheels?

The wheels are a molded thermoplastic compounded with the aluminum oxide abrasive particles in them.



Celebrating 400 Million Restorations with the "Box of Smiles Offer" for Filtek[™] Supreme XTE



BUY 10 Refills of Filtek Supreme XTE (Syringes or Capsules)

RECEIVE An attractive "Box of Smiles" containing 100 Portrait Vouchers that you can provide to your patients after completing their restoration with Filtek Supreme XTE, that makes it easier to produce beautiful lifelike results with exceptional aesthetics.

- Your patients can then receive a beautiful photo taken at one of the many sites located across Australia and New Zealand to show off their new smiles in style.
- The locations of the photography centers can be found at **www.boxofsmiles.org** which is also printed on the Portrait Voucher.
- Each of these portrait vouchers is valued at up to \$500.

Promotional Offer Period is 15th July 2013 to 31st Dec. 2013



PROMOTION TERMS & CONDITIONS

To claim your 3M ESPE bonus product/gift send your distributor invoice dated between 15th July - 31st December 2013 to: 3M ESPE Promotion, PO Box 33246, Takapuna, Auckland 0740. All claims must be received by last mail on 31st January 2014. The required purchase quantity must be reflected in one order. Your invoice must show relevant product in quantities specified. Limit of 4 offers per customer. Claims received after this date will not be honoured. Please allow 4 – 6 weeks for delivery. Please contact your preferred authorised 3M ESPE distributor for pricing. Entry is open to all New Zealand practices. Promotional offers only available for purchase from authorised 3M ESPE distributors. Once purchase product has been used to claim bonus gift it cannot then be used to claim any other offer. Where an error or omission occurs we reserve the right to withdraw the offer. Bonus gifts available while stocks last.

RelyX[™] Unicem celebrates 10 years of outstanding clinical performance



Believe it or not, it has been ten years since 3M ESPE introduced RelyX[™] Unicem, the first self-adhesive resin cement.

Since then, the revolutionary product that combines reliable performance with easy handling has become a favourite cement of dentists around the globe. The July/ August 2013 issue of **The Dental Advisor** gives reason to celebrate this historical event. **RelyX™ Unicem the highest possible rating of five pluses for its ten year clinical performance.**

The world's most clinically proven self-adhesive cement is indicated for the permanent cementation of allceramic, composite, or metal inlays, onlays, crowns and bridges as well as endodontic posts, and for final cementation of restorations on implant abutments.

The dual-cure cement was first launched in capsules before it was introduced in the popular Clicker dispenser. Later an improved formula of the product became available also in an automix syringe under the brand name RelyX[™] Unicem 2 Automix. No matter which version is selected, the material allows for a simplified cementation procedure since it is self-adhesive and highly moisture tolerant. Due to these properties, the need for any pre-treatment of the tooth like etching, priming and bonding is eliminated. At the same time, a reliable, strong bond is created.

The Dental Advisor confirms the excellent overall performance of the product in the 10-year Clinical Performance Report it published in the July/August issue with a total of 6,000 anterior and posterior restorations cemented with RelyX Unicem over a 10-year period observed. At the 10-year recall, 1,311 of these were made available for examination and a clinical evaluation was conducted to determine post-op sensitivity, marginal discolouration and retention.

Regarding all criteria, the cement received very good ratings, with consultants concluding that "RelyX Unicem has proven to be a reliable, self-adhesive resin cement over the ten-year period".

The product received a 'five plus' evaluation and a 98% clinical rating for its excellent clinical long-term performance, a result that speaks for itself.



Stainless Steel Crowns *New technique for managing kids' teeth*

Dr Lyndie Foster Page, Dental Public Health Specialist and Senior Lecturer, Preventive and Restorative Dentistry, and;

Dr Dorothy Boyd, Specialist in Paediatric Dentistry and Senior Lecturer



Dr Dorothy Boyd (left) and Dr Lyndie Fosater Page (right)

A new way of treating tooth decay that doesn't involve needles or drills has been investigated in the Hawkes Bay Community Oral Health Service.

Dr Lyndie Foster Page, head of preventative and restorative dentistry at the University of Otago Dental School, and colleague Ms Dorothy Boyd, specialist in paediatric dentistry, trained 10 Hawke's Bay dental therapists to use the new 'Hall technique' as part of a feasibility study funded by the Health Research Council of New Zealand (HRC) and supported by 3M New Zealand who provided ten kits of 3M[™] ESPE[™] Stainless Steel Crowns and RelyX[™] Luting 2 Cement for the study. The Hall technique, which was developed by Scottish dentist Dr Norna Hall, involves cementing a stainless steel crown (SSC) over a baby molar tooth to seal the decay in, with no decay removal and no local anaesthetic. This is a shift from the conventional method of scraping the decay out with a drill under local anaesthetic. Starved of nutrients, the decay then seems to stop or slow down. Dr Foster Page tells us "There's a strong shift in dentistry towards not removing all the decay in the tooth. We know that when we drill a tooth, the tooth doesn't like it; you get an inflammatory response. If the decay is close to the nerve then it's often best to leave it."

SSCs have excellent durability, and, compared to the conventional fillings most used in primary care, that means they have a much lower rate of replacement, which has got to be good for everyone. The crown stays in place until it falls out naturally with the tooth from about age 10-11.

Almost 190 children between 5 and 8-years-old took part in the Hawke's Bay study, of which just over 50 per cent were Maori. Nearly 100 children received treatment



for their decayed teeth using the Hall technique, while the remainder were treated using conventional

methods. Many of the children already had six or seven fillings in their mouth, and two-thirds came from low socio-economic areas.



Although the researchers stress that this is not a randomised control trial (RCT), the findings show that the research can be successfully completed in NZ primary oral health care, mainly thanks to the tremendous enthusiasm from all those involved. "The training needs a little adjustment to improve case selection, but otherwise the study has shown the technique to be viable in New Zealand", says Boyd. The technique and the appearance of the metal teeth was found to be acceptable to children, parents and clinicians. "The next step", says Foster Page, "is to carry out a RCT and clarify the difference in outcomes such as quality of life, between the Hall technique and conventional treatment.

We were surprised that the difference in failure rates was so large, even at 6 months, and obviously we want to investigate why 90 per cent of children in the study group said they enjoyed their visit compared with just 52 per cent in the conventional treatment group".

"People assume that most patients said they preferred the Hall technique because there isn't an injection or drilling," adds Boyd, "but we (as researchers) need to keep an open mind – maybe it made the clinician more relaxed, or maybe it gave them more time for friendly rapport, or maybe it was just over more quickly – we won't know until we ask!"

The study is the first in the world where dental therapists have placed stainless steel crowns using the Hall technique. A five-year randomised controlled trial in primary care in Scotland, where dentists – as opposed to dental therapists – carried out the procedure, also showed that parents, children and dentists preferred this method of treatment.

"At first, some parents were concerned that people might judge children who had these crowns because of the way the crowns look. Many people today want white fillings. However, after the treatment we found that the overall positive response of children to the treatment, and the fact children didn't need an injection or to go back for restoration work, far outweighed this concern."

Crowns cost more than conventional amalgam or white fillings, but Dr Foster Page says they could work out to be more economical in the long term.

"Replacing a filling two or more times during a tooth's life may actually cost more than a crown in the long term with labour costs included – and then there's the cost to children's well-being."

Dr Foster Page and Ms Boyd presented the findings of this feasibility study to the Hawke's Bay District Health Board in February and at the International Association of



Dental Research Conference in Seattle, US, in March. Subject to funding, they plan to carry out a large

randomised controlled trial of the Hall technique in New Zealand children.

"So many children in New Zealand have poor oral health. It's the most, chronic disease that affects children worldwide," says Dr Foster Page.

Dr Lyndie Foster Page University of Otago Dental School Phone: +64 3 479 5853 Email: lyndie.fosterpage@otago.ac.nz

Dr Dorothy Boyd University of Otago Dental School Email: dorothy.boyd@otago.ac.nz

Clinical Review: Imprint[™] 4

Dr Michael Mandikos BDSc (Hons) M.S. Cert. Pros, FRACDS Brisbane, QLD

In the early 2000's, we saw the emergence of what was referred to as the "new" polyvinyl siloxane materials when products such as Affinis, Virtual, Take One Advance and Imprint 3 came to the market. I had been a long time



user of the Express wash material from 3M ESPE and was not convinced that PVS materials could get any better.

Shortly after, I read a study conducted in the Undergraduate clinic of Louisiana State University by Sadan, Blatz and Burgess, and the conclusion was that the improved handling characteristics and addition of better surfactants in Imprint 3 as compared to Express, meant that students were 8 times less likely to need to retake impressions, simply because of the improved material. I decided to try Imprint 3, and have been a happy user ever since.

It is interesting how history repeats. Some 10 years later, I was asked to trial Imprint 4. My immediate question was "What could be better in this new version?" After all, I already had nice handling, very light bodied material, that behaves in quite a hydrophilic manner, and I don't miss too many impressions ever with this product.

What is there left to improve. Well as it turns out, there are several significant improvements in the Imprint 4 Material.



Specifically, it has still further refinements in its rheostatic properties. It is very low in viscosity, but feels almost runny as it is extruded through its narrow syringe tip due to improved sheer thinning ability. So this material goes much better into the retracted gingival sulcus, and spreads out and better "wets" the tissues as you extrude it and then air thin it. This handling is guite amazing.



A second major improvement is the set time. All PVS materials on the market offer "Regular set" and "Fast Set" - but the latter comes with a shortened working time. Imprint 4 has a normal amount of working time (about 1 minute) and then a very fast subsequent set time of only 2 minutes. This has been achieved through refinements in chemistry and an innovative exothermic



reaction that warms the material as it polymerises, thus also accelerating the set.

Finally, there is the

long requested and finally delivered improvement in colour. The new Imprint 4 colour combinations between light and heavy body make for impressions that are much easier to read, thus confirming clinical accuracy.

I have been using Imprint 4 now for only a few months, but I can say that it makes it very hard to miss an

impression now. Every now and then a new product comes along that makes dental life easier and more predictable. Imprint 4 is one of those materials. I would have no hesitation in recommending it to my colleagues.



Dr Jim Ironside BDS, MDS, PhD Prosthodontist Adj. Assoc. Professor (CSU)

I have been using the new Imprint 4 material for about 2 months so far. I have found it to be an accurate and easy material to work with. The wash material produces an easily read margin when used in a dry field. The flow characteristics are similar to the previous material I was using so it was not hard to become accustomed to Imprint 4.

The yellow tray material is particularly impressive. It flows more easily than others I have used and sets to produce a quite rigid support for the wash material. The result is that the crowns and bridges are fitting as well as before, there has been no loss in quality. As an impression for implant superstructures it is also extremely good with very little if any apparent distortion. Overall in custom or stock trays the material handles very well with predictable accuracy and results.





Case 2



Cosmetic and General Dentistry, 18 Morrow Street Newmarket, Auckland

Chairperson New Zealand Academy of Cosmetic Dentistry







"3M has developed a material that has the dimensional accuracy and stability of the trusted Imprint 3 system with increased hydrophilic properties, allowing for more complete adaptation in

a slightly moist sulcus. Both the regular wash and light wash materials are extremely easy to apply to the marginal region, and the working time allows for stress-free application. The combination of colours contrast ideally with the regular heavy body tray material, allowing for clear, precise margin recognition and identification.

The slightly exothermic reaction during the intraoral phase allows for an accelerated set, thus minimizing any discomfort. The traditional dysgeusia induced by other PVS materials has been rectified by the introduction of a pleasant mint flavour. The short working time and clinical precision of this material will accelerate your clinical practice, increase margin definition and thus enhance the quality of your crown/ bridge/implant work."





3M[™] ESPE[™] Lava[™] Plus High Translucency Zirconia shading – *True colours explained*

Lava[™] Plus High Translucency Zirconia – the next generation of Lava[™] Zirconia – is designed to enable unprecedented Lava[™] restoration aesthetics. Aesthetics is determined by the viewing light, the observer and finally the optical properties of the restoration: Restorations reflect, scatter or absorb part of the viewing light while the remainder is transmitted.

Theses optical properties depend on the surface texture, the chemical composition and the microstructure of the materials used. Simplified one can say that the potential of a restoration material to mimic tooth structure is determined by its colour and translucency. Lava[™] Plus is a complete system offering a high translucency zirconia combined with a tailored shading solution for full colour control. This scientific facts sheet focuses on the science behind the Lava[™] Plus System shading solutions.

How does zirconia shading work?

Dental zirconia shading was invented by 3M ESPE. Lava[™] Plus High Translucency Zirconia Dyeing Liquids from 3M ESPE are applied after milling to the porous green-state workpiece (Fig. 1). The colour appears only after the sintering step when the zirconia is densified to the final polycrystalline state. The colour is generated by ions incorporated into the zirconia.

The ions are dissolved in the dyeing liquid. By applying the liquid and subsequent drying the ions are deposited into the porous green-state zirconia work piece. During the sintering process the ions are built into the zirconia crystalline structure and where they produce the desired colour.



Fig. 1: Zirconia shading process.

How does the Lava[™] Plus Zirconia shading technology ensure a precise colour match?

The colour greatly depends on the ions used and the precise control of their concentration and distribution after drying. Moreover the colour achieved is determined by the microstructure of the zirconia. Zirconias have different grain sizes and grain size distributions coming from differences in the chemical composition, the pressing and the sintering process. True colours can only be achieved by customising the shading liquids to one specific zirconia.

To precisely tune the colours Lava[™] Plus Dyeing Liquids utilise a unique technology based on 3 different ions: One ion component for yellow colour, one for red and for gray (Fig. 2). Lava[™] Plus Dyeing Liquids are Cobalt and Chrome free.



Fig. 2: Ion shading principle of Lava[™] Plus High Translucency Zirconia.

Each Lava[™] Plus Dyeing Liquid is a fine-tuned mixture of these three ionic components. The result is a full offer of 18 dyeing liquids covering the 16 VITA classical A1-D4 shades plus two bleach shades. A special organic additive in the Lava[™] Plus Dyeing Liquids ensures uniform distribution of the ions within the presintered material and makes sure the ions stay put during drying until the sintering where the organic compound is completely burned out. Lava[™] Plus Dyeing Liquids are designed specifically for Lava[™] Plus Zirconia and can therefore offer true colours with excellent colour match to VITA classical. (Fig. 3)

Some zirconias are not offered with a dedicated, tailored shading system. Trial and error is required to find ways to match colours with theses zirconias. With Lava[™] Plus System the technician gets the right shade from the start to finish his masterpiece with ease.



Fig 3: Colour match comparison of A4 shaded 3-unit bridge frameworks cut through the connector. From left to right: Competitor 1, Competitor 2, Lava[™] Plus Zirconia, VITA classical shade guide

Bottom Line

Dental zirconia shading was invented by 3M ESPE and works by incorporating ions into the zirconia crystalline structure during sintering.

Lava[™] Plus Dyeing Liquids are tailored to the microstructure of 3M[™] ESPE[™] Lava[™] Plus High Translucency Zirconia enabling an excellent colour match to VITA classical shade guide. In addition the unique 3M ESPE technology leads to warm, natural colours and supports the translucency of the shaded material.



Lava[™] Plus Dyeing Liquids can be used for uniform dip shading or in the custom shading technique that allows achieving any shade gradient within the zirconia. For even further intrinsic customization the Lava[™] Plus System offers 8 effect shades for intense colour effects and fluorescence.

With the intrinsic shading capabilities the Lava[™] Plus High Translucency Zirconia System offers an ideal base for both veneeered and monolithic restorations – Technicians can achieve excellent results due to the warm, natural and matching colours of Lava[™] Plus restorations and frameworks.

Lava[™] Promotional offers on page 23

Composite, Adhesive and Finishing & Polishing Solutions

Filtek[™] Supreme XTE "Box of Smiles"

BUY





10 x Filtek[™] Supreme XTE Universal Restorative Refills

Filtek[™] Supreme XTE Universal Restorative Syringes and Capsules (20 Caps)* - Various Shades

RECEIVE 1 x Box of Smiles containing 100 Portrait Vouchers

Valued between \$130 - \$500 per voucher

*2 x 10 capsules equivalent to 20 capsules.

Filtek[™] Supreme XTE Universal Restorative

BUY

2



3 x Filtek[™] Supreme XTE Universal Restorative Refills

Filtek[™] Supreme XTE Universal Restorative Syringes and Capsules (20 Caps)* - Various Shades



RECEIVE 2 x Filtek[™] Supreme XTE Flowable Restorative Refills

(Syringe or Capsule in shade A2 or A3*

*2 x 10 capsules equivalent to 20 capsules. If bonus shade is not nominated, Shade A3 will be sent.

NEW Sof-Lex[™] Spiral Wheels

BUY

3



1 x Sof-Lex™ Spiral Wheel Intro Kit 5082I

(Kit includes: 10 Spiral Polishing Wheels, 10 Spiral Finishing Wheels, 1 RA Mandrel, 1 IFU Spiral Wheels, 1 IFU Sof-Lex Mandrel, 1 Step-By-Step Card Spiral Wheels)

PLUS

1 x Sof-Lex[™] Spiral Finishing Wheel Refill 5080 (30 Wheels)

RECEIVE 1 x Sof-Lex[™] Spiral Polishing Wheel Refill 5081 (30 Wheels)

To claim your bonus products please send your distributor invoice (or laboratory invoice for offers 14a and 14b) to 3M ESPE promotion, PO Box 33246, Takapuna, Auckland 0740. Refer to the back cover for full promotional Terms & Conditions. All bonus offers are limited to 4 offers per customer unless otherwise specified.

4

Composite, Adhesive and Finishing & Polishing Solutions

Direct Restorative Procedure Solution



1 x Sof-Lex[™] Spiral Wheel Intro Kit 5082I

(Kit includes: 10 Spiral Polishing Wheels, 10 Spiral Finishing Wheels, 1 RA Mandrel, 1 IFU Spiral Wheels, 1 IFU Sof-Lex Mandrel, 1 Step-By-Step Card Spiral Wheels)

PLUS

1x Filtek[™] Supreme XTE Universal Restorative

Filtek[™] Supreme XTE Universal Restorative Syringes and Capsules (20 Caps)* - Various Shades

OR

Scotchbond[™] Universal Adhesive 5ml Vial 41258



RECEIVE 1 x Scotchbond[™] Universal 5ml Vial* OR

1 x Filtek[™] Supreme XTE Universal Restorative

(Syringe or Capsule in shade A2B or A3B)*

OR 1 x Sof-Lex[™] Spiral Wheel Intro Kit*

*2 x 10 capsules equivalent to 20 capsules. If bonus is not nominated, Scotchbond[™] Universal 5ml will be sent

Adhesive & Abrasive Combination

BUY

5



2 x Scotchbond[™] Universal Adhesive 5ml Vial 41258



RECEIVE 1 x Sof-Lex[™] Spiral Wheel System Kit 5082SK

(Kit includes: 10 Spiral Polishing Wheels, 10 Spiral Finishing Wheels, XT Polishing Discs 12.7mm (30 X 2382C, 30 X 2382M, 30 X 2382F, 30 X 2382SF), XT Polishing Discs 9.5mm (30 X 2381C, 30 X 2381M, 30 X 2381F, 30 X 2381SF), Finishing Strips 15 X 1954 C/M, 1 RA Mandrel, 1 IFU Spiral Wheels, 1 IFU Sof-Lex Mandrel, 1 IFU Sof-Lex Discs / Strips, 1 Step-By-Step Card Spiral Wheels)

Paradigm[™] Composite

6



3 x Paradigm[™] Nano-Hybrid Universal Restorative

Paradigm Nano-Hybrid Universal Restorative Syringes and Capsules - Various Shades

RECEIVE 1 x Scotchbond Universal 5ml Vial 41258

7

8

Impression Solutions

NEW Imprint[™] 4 VPS Impression Material - Trial Kits



1 x Imprint[™] 4 Trial Kit

71497 Imprint[™] 4 Penta[™] Heavy Trial Kit

Trial Kit contains: 1 base paste 300 ml, 1 catalyst 60 ml, 1 Imprint 4 Light cartridge 50 ml, 10 Penta Mixing Tips red, 5 Garant Mixing Tips yellow, 5 Garant Intra-Oral Tips yellow

71498 Imprint[™] 4 Penta[™] Super Quick Heavy Trial Kit

Trial Kit contains: 1 base paste 300 ml, 1 catalyst 60 ml, 1 Imprint 4 Super Quick Light cartridge 50 ml, 10 Penta Mixing Tips red, 5 Garant Mixing Tips yellow, 5 Garant Intra-Oral Tips yellow

71499 Imprint[™] 4 Penta[™] Putty Trial Kit

Trial Kit contains: 1 base paste 300 ml, 1 catalyst 60 ml, 1 Imprint 4 Super Quick Ultra-Light cartridge 50 ml, 10 Penta Mixing Tips red, 5 Garant Mixing Tips yellow, 5 Garant Intra-Oral Tips yellow



RECEIVE 1 x Imprint[™] 4 Penta[™] Cartridge for Pentamix[™] 3 or Pentamix[™] 2 (Various codes)* OR 1 x Pentamix[™] Mixing Tips (Red 71512)*

*If bonus is not nominated Penta Mixing Tips will be sent.

NEW Imprint[™] 4 VPS Impression Material - Penta Refills



2 x Imprint[™] 4 Penta[™] Refills

71484 Imprint[™] 4 Penta[™] Heavy Refill
2 base pastes - 300 ml each, 2 catalysts - 60 ml each
71485 Imprint[™] 4 Penta[™] Super Quick Heavy Refill
2 base pastes - 300ml each, 2 catalysts - 60 ml each

71486 Imprint[™] 4 Penta[™] Putty 2 base pastes Refill 2 base pastes - 300 ml each, 2 catalysts - 60 ml each



RECEIVE 1 x 3M[™] ESPE[™] Astringent Retraction Paste (25 pack 56944) OR 1 x Pentamix[™] Mixing Tips (Red 71512)*

*If bonus is not nominated Penta Mixing Tips will be sent

To claim your bonus products please send your distributor invoice (or laboratory invoice for offers 14a and 14b) to 3M ESPE promotion, PO Box 33246, Takapuna, Auckland 0740. Refer to the back cover for full promotional Terms & Conditions. All bonus offers are limited to 4 offers per customer unless otherwise specified.

BUY

Impression Solutions

NEW Imprint[™] 4 VPS Impression Material - Refills

9



3 x Imprint[™] 4 Tray / Wash Refills

71492 Imprint[™] 4 Heavy Refills

4 cartridges 50 ml each, 10 Garant™ Mixing Tips green

71493 Imprint[™] 4 Super Quick Heavy Refills

4 cartridges 50 ml each, 10 Garant™ Mixing Tips green

71491 Imprint™ 4 Super Quick Ultra-Light Refills (recommended for use only with Imprint 4 Penta Putty)

4 cartridges 50 ml each, 5 Garant[™] Mixing Tips yellow, 5 3M[™] ESPE[™] Intra-Oral Syringes green

71488 Imprint[™] 4 Light Refills

4 cartridges 50 ml each, 5 Garant[™] Mixing Tips yellow, 5 3M[™] ESPE[™] Intra-Oral Syringes green

71490 Imprint[™] 4 Super Quick Light Refills

4 cartridges 50 ml each, 5 Garant[™] Mixing Tips yellow, 5 3M[™] ESPE[™] Intra-Oral Syringes green

71487 Imprint[™] 4 Regular Refills

4 cartridges 50 ml each, 5 Garant[™] Mixing Tips yellow, 3M[™] ESPE[™] Intra-Oral Syringes green

71489 Imprint[™] 4 Super Quick Regular Refills

4 cartridges 50ml each, 5 Garant[™] Mixing Tips yellow, 5 3M[™] ESPE[™] Intra-Oral Syringes green

RECEIVE

/E 1 x Imprint[™] 4 Wash Refill

(Select from 71490, 71488, 71487 & 71489)*

*If bonus is not nominated, Imprint Wash Refill 71490 will be sent.

Impregum[™] Impression Material - Penta

10A



2 x Impregum[™] Penta[™] Refills

31644 Impregum[™] Penta[™] MB Refill 31730 Impregum[™] Penta[™] Soft MB Refill 31765 Impregum[™] Penta[™] Soft MB Quickstep Refill 31740 Impregum[™] Penta[™] DuoSoft HB Refill



RECEIVE 1 x 3M[™] ESPE[™] Astringent Retraction Paste (25 pack 56944)*

OR

1 x Pentamix[™] Mixing Tips (Red 71512)*

*If bonus is not nominated Penta Mixing Tips will be sent

			Imp	ression Solu	Itions
Impregum™	Impression	Material ·	- Cartridge De	livery	10B
N	BUY	 3 x Impregum[™] Soft Tray / Wash Refills 31785 Impregum[™] Soft Medium Body Refill 31788 Impregum[™] Soft Medium Body Quick Step Refill 31751 Impregum[™] Duosoft Light Body Refill 31767 Impregum[™] Soft Quick Step Light Body Refill 			
	RECEIVE	1 x Impreg (Select from 31785	J um[™] Refill , 31788, 31751 & 31767)*		
	*If bonus is not	nominated, 31785 w	vill be sent		
			Ceme	entation Solu	utions
RelyX [™] Ultin	nate Adhesiv	ve Resin (Cement		11
	BUY	PLUS	imate Refills (8. d™ Universal Ad		
	RECEIVE	1 x RelyX™ (56890 Translucent)	Ultimate Refill		
RelyX [™] Unic	em Self Adh	esive Res	in Cement		12
	de se	Various Sh RelyX™ Unicem RelyX™ Unicem	Aplicap Refills (50 cap Maxicap Refills (20 cap 2 Automix Refills (8.5g	s) ps)	nts -
		-	Stuff" Gift Bag ([®] , Command [™] , Nexcare [™] , Sco		
	*Picture is for ill	lustrative purposes	and actual products may va	ry	
To claim your bon	ie nraducte nlasse sand	your distributor inv	nice (or laboratory invoice fo	or offers 1/2 and 1/h) to (

To claim your bonus products please send your distributor invoice (or laboratory invoice for offers 14a and 14b) to 3M ESPE promotion, PO Box 33246, Takapuna, Auckland 0740. Refer to the back cover for full promotional Terms & Conditions. All bonus offers are limited to 4 offers per customer unless otherwise specified.

22

		Preventive Solutions
Clinpro [™] Tooth	Crème	13A
And a state of the	BUY	10 x Clinpro[™] Tooth Crème 12216 OR 12216SM Clinpro [™] Tooth Crème with TCP 113g (Vanilla Mint or Spearmint)
	RECEIVE	2 x Clinpro [™] Tooth Crème with TCP 113g Spearmint PLUS 1 x Post-it [®] Note Pop Up Dispenser
Clinpro[™] Varni s	sh	13B
Charten and Charte	BUY	1 x Clinpro [™] Varnish Clinpro [™] White Varnish with TCP (50 pack) 12248 OR Clinpro [™] XT Varnish Durable Fluoride Release Coating (10g) 12249
	RECEIVE	20% discount (off the usual distributor price)
		Crown & Bridge Solutions
Lava [™] Plus		14A
	BUY	1 x Lava[™] Plus All Zirconia (Monolithic) Crown* Lava [™] Plus High Translucency Zirconia - Various Shades
	RECEIVE	1 x RelyX[™] Unicem 2 Automix Refill (56848 Translucent) (Limit 1 offer per customer)
	*Available from A layered (veneere	Authorised Lava Design Centres and other dental laboratories. Excludes Lava Plus d) crowns.
Lava [™] Ultimate)	14B
	BUY	1 x Lava[™] Ultimate Restorative* Lava [™] Ultimate Restorative - Various Shades
MENTE	RECEIVE	1 x Sof-Lex [™] Spiral Wheel Intro Kit 5082I (Limit 1 offer per customer)

*Available from Authorised Lava Design Centres and other dental laboratories. Excludes Lava Ultimate (Chairside) Restorative for CEREC and E4D.

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