BJM LAB
state of the art dental materials

BJM LAB
BJM LAB

B.J.M. Laboratories Ltd. (B.J.M.) was established in 1992 for the purpose of developing and manufacturing innovative state of the art dental materials.

B.J.M. produces a complete line of Dental Adhesives, Resin Cements, Composite and Core Build Up materials, Temporary Crown and Bridge materials, Implant Cements, Endodontic Sealers and a wide range of Orthodontic Materials, all of which are distributed extensively in the United States, Europe, Asia and South America. B.J.M. also supplies its products under private label for multinational distributors and manufacturers throughout the world.

B.J.M. is committed to the quality of its products. The ISO 9001:2008, EN ISO 13485:2012, and MDD 93/42/EEC certification were awarded to our quality assurance system since 1997. Such an approval enables us to market our products within the EEC bearing the CE mark.With “Quality through Research and Development” as its motto, B.J.M. developed rapidly.

Over the last few years we have witnessed an exciting revolution in the field of dental materials. Procedure that just yesterday seemed unrealistic has become feasible.Dental procedures are being constantly modified and adopted, all of which is oriented to make the dentist life easier and more efficient.

Our R&D group is in a constant search for new knowledge and is pioneering the way, by incorporating tomorrow’s science into today’s work. Already the most spoken about topics in the scientific community, Nano-technology and Dendritic polymer chemistry, were incorporated into our line of Adhesives, Cements and Composites.

Numerous patents have been registered and our research results are being published and shared with the scientific community.

B.J.M. is now introducing a new line of Self-Etching dental materials, Crown and Bridge temporary materials, Endodontic Sealer and a Family of Orthodontic Materials all of which exhibit outstanding physical and mechanical properties.

Sincerely,

Barry Zalsman

Dr. Barry Zalsman

General Manager

BONDING AGENTS and SURFACE TREATMENT

PRIMA 2000™

Single step bonding agent

INDICATIONS

- Direct composite restorations.
- Core Build-Up.
- Adhesive cementation of posts, crowns & bridges, including inlays and onlays.

PROPERTIES

- 5th generation dentin/enamel-bonding agent
- Combines Primer and Adhesive into a single component for ease of application.
- Compatible with all common dental etching materials and forms an excellent bond with dentin and enamel, any self-cured, visible light-cured or dual-cured.
- Composite, Compomer restorative material and with Composite Resin Cements.
- The colloidal dispersed, spherical, sub-micron glass particles increase adhesion and enhances durability.
- Forms the essential hybrid zone with dentin.

SCIENTIFIC PAPERS

1. An Evaluation of Adhesive Dentin Interface of a Prototype Primer / Adhesive Using Scanning Electron Microscopy, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 1997.

2. A Laboratory Evaluation of the Shear Bond Strength of BJM Primer/Adhesive and Prime and Bond 2.1 to Dentin, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 1997.

3. Clinical Evaluation of Prima Bond by the Prep Panel, F.J.T. Burke, R.J. Crisp, Restorative Dentistry, University Dental Hospital of Manchester, 1996.

4. MDT PrimaBond Report, 1995.

5. ADAPT Report, 1996.

6. Core Build-Up and Adhesive Compatibility, Volume 24, Issue 6, June 2000, CRA.

7. Enamel-Dentin Adhesives, Self-Etching Primers, Volume 24, Issue 11, November 2000, CRA.

8. Dual-Cure Core Compatibility to DBA using Self-Cured and Self-Etching Activators, B. Zalsman, A. Valdman, K. Lizenboim, I. Suvorov, A. Suvorov, W.A. McHale, H. Dodiuk-Kenig, IADR Poster, Program Number 1116, 2006.

9. Clinical evaluation by Dental Advisor, July-August 2007.

PACKAGING & ORDER INFORMATION

Item # 100222 - 1 Bottle 2ml of PRIMA 2000

Item # 100224 - 1 Bottle 4ml of PRIMA 2000

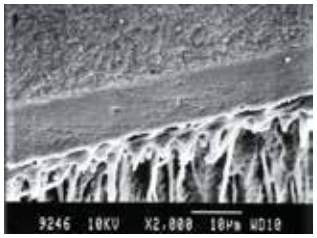
Item # 100225 - 1 Bottle 5ml of PRIMA 2000

Item # 100227 - 1 Bottle 7ml of PRIMA 2000

Item # 100230 - 1 Bottle 10ml of PRIMA 2000

TECHNICAL DATA

Shear Bond Strength to etched enamel	> 20 MPa
Shear Bond Strength to etched dentin	> 14 MPa
pH	6.5
Shelf Life	2 Years
Excellent wetability and penetration in to the dentin tubules	
Forms the essential Hybrid Zone	



RELATED PRODUCTS

Q-Etch

Q-Etch UF

Auto Cure Activator

High-Q-Bond

Q-Core

Zirconite

PRIMA Quick™

Universal self-priming etchant adhesive system

Dendritic Nano Technology™

THE DENTAL ADVISOR ++++

INDICATIONS

- Direct composite restorations.
- Core Build-Up.
- Adhesive cementation of posts, crowns & bridges, including inlays and onlays.

PROPERTIES

- 6th generation, self-etching bonding system.
- Consists of an Hydrophilic, water-based, Self-Etching Primer and a lightactivated bonding agent.
- The colloidal dispersed, spherical, sub-micron glass particles increase adhesion and enhances durability.
- Forms an excellent bond with dentin and enamel, any self-cured, visible lightcured or dual-cured Composite, Compomer restorative material and with Composite Resin Cements.
- Utilizes a moderately acidic and hydrophilic Primer to partially solubilized and penetrate the smear layer into the dentin tubules to form resin tags.
- In the case of enamel, the Primer produces a significant pattern with enhanced surface area, leading to improved enamel bonding.

SCIENTIFIC PAPERS

1. BJM Primer/Adhesive Report, Prof. M. Degrange, University of Paris, 2005.

2. Report on file: G6 and G7 (BJM), Prof. M. Degrange, Dr. W. Aranda, University of Paris, 2006.

3. A Laboratory Evaluation of the Shear Bond Strength of Composite Resin to Dentin and Enamel Using “Self-Etching” Adhesive Systems, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 2006.

4. Dual-Cure Core Compatibility to DBA using Self-Cured and Self-Etching Activators, B. Zalsman, A. Valdman, K. Lizenboim, I. Suvorov, A. Suvorov, W.A. McHale, H. Dodiuk-Kenig, IADR Poster, Program Number 1116, 2006.

5. Clinical research by Dental Advisor, October 2007.

PACKAGING & ORDER INFORMATION

PRIMA QUICK Kit:

Item # 100200

- 1 Bottle 10ml of PRIMA Quick Prime
- 1 Bottle 10ml of PRIMA Quick Bond
- 50 PRIMA Quick Prime Green Applicators
- 50 PRIMA Quick Bond Orange Applicators
- 1 Dappan Dish

TECHNICAL DATA

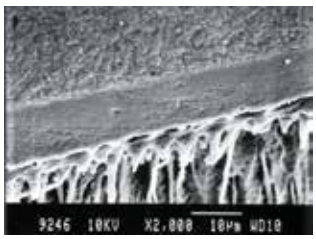
Shear Bond Strength to etched enamel	> 25 MPa
Shear Bond Strength to etched dentin	> 20 MPa
pH of Primer / Bond	1.9 / 6.5
Shelf Life	2 Years
Excellent wetability and penetration in to the dentin tubules	
Forms the essential Hybrid Zone	

PRIMA Quick Prime Refill

- Item # 100212 - 1 Bottle 2ml of PRIMA Quick Prime
- Item # 100214 - 1 Bottle 4ml of PRIMA Quick Prime
- Item # 100215 - 1 Bottle 5ml of PRIMA Quick Prime
- Item # 100217 - 1 Bottle 7ml of PRIMA Quick Prime
- Item # 100218 - 1 Bottle 8ml of PRIMA Quick Prime
- Item # 100210 - 1 Bottle 10ml of PRIMA Quick Prime

PRIMA Quick Bond Refill

- Item # 1002202 - 1 Bottle 2ml of PRIMA Quick Bond
- Item # 1002204 - 1 Bottle 4ml of PRIMA Quick Bond
- Item # 1002205 - 1 Bottle 5ml of PRIMA Quick Bond
- Item # 1002207 - 1 Bottle 7ml of PRIMA Quick Bond
- Item # 1002208 - 1 Bottle 8ml of PRIMA Quick Bond
- Item # 100220 - 1 Bottle 10ml of PRIMA Quick Bond



RELATED PRODUCTS

Auto Cure Activator

Q-Core

High-Q-Bond

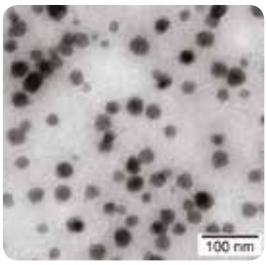
Porcelain Fix

Zirconite

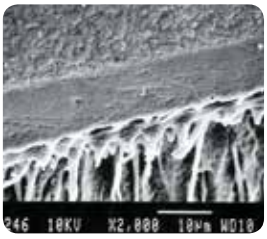
PRIMA 1..™

Light-cured, self-etching, 1 component dentin/enamel bonding agent

Dendritic Nano Technology™



Nano fillers, hanse chemie AG, dispersion in PRIMA 1, BJM. TEM. Internal comunication.



Hybridisation of dentin and resin / dentin interface with PRIMA 1, SEM. Internal comunication.

RELATED PRODUCTS

Q-Core | High-Q-Bond

INDICATIONS

- Direct composite restorations.

PROPERTIES

- 7th generation, self-etch, 1 component bonding agent.
- Combines Etch, Primer and Adhesive into a single component for ease of application.
- Delivers high bonding values to dentin and enamel.
- Utilizes the latest advancements in nano-technology and dendritic polymer incorporated chemistry to form an excellent bond with dentin and enamel and visible light-cured Composite.
- Forms the essential hybrid zone on dentin.

SCIENTIFIC PAPERS

1. Report on file: G6 and G7 (BJM), Prof. M. Degrange, Dr. W. Aranda, University of Paris, 2006.

PACKAGING & ORDER INFORMATION:

Item # 100240

- 1 Bottle 4ml of Prima 1

Item # 100241

- 1 Bottle 4 ml of Prima 1
- 50 Applicators

TECHNICAL DATA

Shear Bond Strength to un-etched dentin	> 25 MPa
Shear Bond Strength to un-etched enamel	> 30 MPa
Excellent wetability and penetration in to the dentin tubules	
Forms the essential Hybrid Zone	
pH	3.0
Type of Cure	Light Cured
Filler Weight	3.0%
Refrigeration Required	No
Number of Steps	3
Total Time	60 sec
Shelf Life	2 Years

AUTO-CURE ACTIVATOR™

Chemical activator for use with Prima 2000 and Prima Quick Bond

INDICATIONS

Self-curing of PRIMA 2000 and PRIMA Quick Bond in:

- Light-inaccessible procedures
- Adhesive cementation of crown & bridge including inlays and onlays

PROPERTIES

Chemical activator for use with Prima 2000 and Prima Quick Bond.

SCIENTIFIC PAPERS

1. An Evaluation of Adhesive / Dentin Interface of a Prototype Primer / Adhesive Using Scanning Electron Microscopy, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 1997.
2. A Laboratory Evaluation of the Shear Bond Strength of BJM Primer/Adhesive and Prime and Bond 2.1 to Dentin, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 1997.
3. Clinical Evaluation of PrimaBond by the Prep Panel, F.J.T. Burke, R.J. Crisp, Restorative Dentistry, University Dental Hospital of Manchester, 1996.
4. MDT PrimaBond Report, 1995.
5. ADAPT Report, 1996.
6. Adhesive Bonding of a Novel DC Composite Core Material, July 2003, Contemporary Esthetics and Restorative Practice.
7. Core Build-Up and Adhesive Compatibility, Volume 24, Issue 6, June 2000, CRA.
8. Enamel-Dentin Adhesives, Self-Etching Primers, Volume 24, Issue 11, November 2000, CRA.
9. Dual-Cure Core Compatibility to DBA using Self-Cured and Self-Etching Activators, B. Zalsman, A. Valdman, K. Lizenboim, I. Suvorov, A. Suvorov, W.A. McHale, H. Dodiuk-Kenig, IADR Poster, Program Number 1116, 2006.

PACKAGING & ORDER INFORMATION

Item # 100061 - 1 Bottle 2ml of Auto-Cure Activator
Item # 100064 - 1 Bottle 4ml of Auto-Cure Activator
Item # 100060 - 1 Bottle 7ml of Auto-Cure Activator

RELATED PRODUCTS

Prima 2000

Prima Quick

TECHNICAL DATA

Shear Bond Strength to dentin when used with PRIMA 2000 / PRIMA QUICK	> 18 MPa
Shelf Life	> 2 Years

Q ETCH™
Q ETCH UF™

Etching gel - phosphoric acid 37%

INDICATIONS

- Any procedure that requires etching

PROPERTIES

- 37% Phosphoric Acid Etch Gel with excellent viscosity for precise application.
- Stays put and does not run.
- Washes off easily & quickly.
- Has excellent water solubility.
- Easy to use.
- Available in 1.2 ml or 12 g syringes.
- Applicators tips are angled to facilitate easy and accurate placement of the geleven in distal & lingual composite preparations.
- Blue Visible color.
- Disposable tips save time and are more sanitary.
- Available in 2 consistencies:
  - Regular viscosity
  - Unfilled (UF) viscosity

PACKAGING & ORDER INFORMATION:

- **Item # 100090** - 1 Syringe 10ml of Q-Etch & 20 Dispensing Tips
- **Item # 100091** - 1 Syringe 10ml of Q-Etch UF and 20 Dispensing Tips
- **Item # 100097** - 4 Syringes 1.2ml of Q-Etch and 8 Dispensing Tips
- **Item # 100098** - 4 Syringes 1.2ml of Q-Etch UF and 8 Dispensing Tips
- **Item # 100095-5** - 5 Syringes 3ml of Q-Etch and 20 Dispensing Tips
- **Item # 100091-5** - 5 Syringes 3ml of Q-Etch UF and 20 Dispensing Tips

TECHNICAL DATA

Excellent water solubility	
pH	1.8
Viscosity	Regular / Unfilled
Shelf Life	2 Years

RELATED PRODUCTS

Prima 2000

High-Q-Bond

Q-Core

Q-Seal

Zirconite

PORCELAIN FIX™

Porcelain preparation kit

INDICATIONS

- Any time resin bonding to porcelain is required.

PROPERTIES

- Complete kit for preparing porcelain veneers, inlays and fractured porcelainteeth for bonding. It consists of Porcelain Etch and Porcelain Silane.
- Porcelain Etch is a specially buffered, viscous, hydrofluoric acid gel that willetch porcelains of all types to produce a microscopic porous surface, which willprovide strong mechanical interlocking with composite resin materials.
- Porcelain Silane is a single component silane that enhances bonding values and durability when applied to etched porcelain surfaces.
- Available in bottles and in convenient 1.2 ml syringes with dispensing tips.

SCIENTIFIC PAPERS

1. I. Eppelbaum, H. Dodiuk, S. Kenig, B. Zalsman and A. Valdman, An advanced multipurpose dental adhesive system, J. Adhesion Sci. Technol., Volume 10, No. 10, pp. 1075-1087 (1996).
2. A Laboratory Evaluation of Adhesive Resin Cement, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 1997.
3. B. Zalsman, H. Dodiuk, A. Valdman and I. Eppelbaum, New dual cure multipurpose adhesive resin cement, 76th General Session of IADR, 1998.
4. Laboratory Evaluation of 24 hours Shear Bond Strength of Ceramic to Dentin Using Three Cement Systems, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 2006.

PACKAGING & ORDER INFORMATION

Item #100080 – 1 bottle 5 ml of Porcelain Etch and 1 bottle 5 ml of Porcelain Silane
Item #400080 – 1 bottle 5 ml of Porcelain Silane
Item #400081 – 1 bottle 5 ml of Porcelain Etch
Item #400084 – 2 Syringes 1.2ml of Porcelain Etch
2 Bottles 2ml Porcelain Silane
2 Empty Syringes 1.2m for Porcelain Silane
4 Delivery Tips
4 Micro Brush tips
Item #400082 – 2 Syringes 1.2ml of Porcelain Etch 4 Delivery Tips
Item #400083 – 2 Bottles 2ml Porcelain Silane
2 Empty Syringes 1.2m for Porcelain Silane
4 Micro Brush tips

TECHNICAL DATA

Porcelain Etch containing	Hydrofluoric acid, water, thickening agent
Porcelain Silane containing	Glycidoxypropyltrimethoxysilane, ethyl alcohol
Shelf Life	2 Years

RELATED PRODUCTS

High-Q-Bond

High-Q-Bond SE

Prima 2000

Prima Quick Bond

Q CERAM™

Ceramic primer

INDICATIONS

B.J.M. Q-Ceram is a surface conditioner for ceramic materials such as porcelain and zirconia restorations. This primer dramatically improves adhesion between ceramic surfaces and resin materials.

It is used for:

- Preparation of ceramic crowns, veneers and inlays prior to cementation.
- Preparation of fractured ceramic crowns for repair with resin materials.

PROPERTIES

B.J.M. Q-Ceram is a one bottle primer material, for surface preparation of ceramic crowns, prior to bonding with resin cements. This primer improves cementation of zirconia crowns and does not require additional conditioning such as sandblasting. Its low viscosity and excellent wetting properties promote ideal surface coverage.

SCIENTIFIC PAPERS

1. Variables of Experimental Primer that Affect Adhesion Strength to Zirconia,
2. N. Zaltsman, B. Zalsman, K. Lizenboim, A. Khaskin, A. Suvorov, I. Suvorov, A. Valdman, PER/IADR ongress, Helsinki, Finland, 2012.

PACKAGING & ORDER INFORMATION

- **Item # 400055**
  - 1 bottle 5 ml of Q-Ceram
  - 50 Q-Ceram Grey Applicators
  - 1 Dappan Dish

TECHNICAL DATA

Q-Ceram containing ethanol, water, organic acid, silane coupling agent, 4-META	
Shelf Life	2 Years

RELATED PRODUCTS

High-Q-Bond

High-Q-Bond SE

Zirconite

RESIN CEMENTS

HIGH Q BOND™..

Dual cured permanent adhesive resin cement

INDICATIONS

- Permanent cementation of crowns and bridges, inlays and onlays, posts andcores, ceramic crowns and Maryland bridges.
- Porcelain repair - Used as metal adhesive opaquer.

PROPERTIES

- Multi-purpose, dual-cured, radiopaque, permanent cement.
- Forms an excellent bond with tooth structure, Metal alloys, Amalgams, Porcelains and Ceramics.
- Self-cured cement which you can light-cure for an immediate set and extra strength at the margins.
- Light curing of High-Q-Bond Resin Cement gives your restorations immediate stability, plus easy cleanup of excess cement before the final set.
- Superior retention and total margin integrity.
- Virtually neither taste nor odor – Increased patient comfort

SCIENTIFIC PAPERS

1. I. Eppelbaum, H. Dodiuk, S. Kenig, B. Zalsman, A. Valdman and R. Pilo, The role of anaerobic accelerator in dental adhesives, J. Adhesion Sci. Technol., Volume 9, No. 10, pp. 1357-1368 (1995).
2. I. Eppelbaum, H. Dodiuk, S. Kenig, B. Zalsman and A. Valdman, An advanced multipurpose dental adhesive system, J. Adhesion Sci. Technol., Volume 10, No.10, pp. 1075-1087 (1996).
3. M. Redlich, D. Harari and S. Shoshan, Gingival response to a new multipurpose dental adhesive: A histologic study in dogs, The Journal of Prosthetic Dentistry, Volume 76, No. 4, pp. 379-385 (1996).
4. R. Pilo, T. Brosh, E. Shapinko and H. Dodiuk, Long-term durability of adhesive systems bonded to fresh amalgam, The Journal of Prosthetic Dentistry, Volume 76, No. 4, pp. 431-436 (1996).
5. A Laboratory Evaluation of Adhesive Resin Cement, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 1997.
6. B. Zalsman, H. Dodiuk, A. Valdman and I. Eppelbaum, New dual cure multipurpose adhesive resin cement, 76th General Session of IADR, 1998.
7. Advanced metal free endodontic post system: a case report, K. Krasteva, Varna, Bulgaria, 1998.
8. Comparative Evaluation of Bond Strengths of Panavia and Primabond 97 to posts cemented in the root dentin: final report, D. H. Pashley, School of Dentistry, Medical College of Georgia, 1998.
9. Evaluation of four adhesive systems on a metallic structure not noble for dental porcelain, A. Paz, 1999.
10. D. Harari, E. Aunni, I. Gillis and M. Redlich, A new multipurpose dental adhesive for orthodontic use: an in-vitro bond strength study, American Journal of Orthodontics and Dentofacial Orthopedics, September 2000.
11. Research report: Shear Bond Strength of Total Etch Two-Step Primer / Adhesive Systems with Dual and Chemical-Cure Resin Cements, M. Pasciuta, D. Cobb, College of Dentistry, Iowa, 2001.
12. Laboratory Evaluation of 24 hours Shear Bond Strength of Ceramic to DentinUsing

Three Cement Systems, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 2006.

13. A. Ryakhovsky, A. Karapetyan, Tooth restoration by ceramic inlays: a tutorial, Moscow, 2008.

14. Testing of crowns retention to various abutments utilizingdifferent cementsK. Lizenboim, A. Suvorov, B. Zalsman, and I. Suvorov, PEF-IADR 2008.

TECHNICAL DATA

Compressive strength	180 MPa
Flexural strength	170 MPa
Hardness by Barcol	80
Water sorption	8 µg/mm3
Solubility	1 µg/mm3
Adhesive bonding to un-etched enamel	> 20 MPa
Adhesive bonding to un-etched dentin	> 15 MPa
Adhesive bonding to Rexillium	>10 MPa
Film thickness	10 µm
Radiopacity, % Aluminium	250
Working Time (in ambient light and temperature)	1.5 - 3.5 min
Setting Time (in oral temperature)	2.5 - 4.5 min
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item # 100050 - Hand Mix**

1 Syringe 3ml of High-Q-Bond Base

1 Syringe 3ml of High-Q-Bond Catalyst

1 Mixing Pad

10 Mixing Spatulas

- **Item # 100050AM - Auto Mix**

1 Automix Syringe 5 ml of High-Q-Bond

10 Automix Syringe Mix Tips

10 Intra-Oral Angular Tips, Size Finec

10 Intra-Oral Angular Tips, Size Long XX-Fine

1 Mixing Pad

RELATED PRODUCTS

Q Etch | **Q Etch UF** | **Prima 1** | **Prima 2000** | **Prima Quick** | **Auto Cure Activator** | **Porcelain Fix** | **HQB SE** | **Zirconite** | **Q-Temp** | **Q-Glass**

HIGH Q BOND SE™

Self-etch / self-edhesive dual cured permanent resin cement

INDICATIONS

- Permanent cementation of crowns and bridges, inlays and onlays, posts and cores and ceramic crowns.

PROPERTIES

- Self-etch, self-adhering resin cement
- does not require etching, priming or bonding before cementing the permanent restoration.
- Self-cured cement which you can light-cure for an immediate set and extra strength at the margins.
- Radiopaque – Easily seen in radiograph.
- Fluoride – Known to reduce the possibility of secondary caries and considered to be cariostatic.
- Auto mix Syringe – Saves application time, guarantees consistent mix.
- 3 Shades: A2, White & Translucent.
- Virtually neither taste nor odor – Increased patient comfort.

SCIENTIFIC PAPERS

1. Laboratory Evaluation of 24 hours Shear Bond Strength of Ceramic to Dentin Using Three Cement Systems, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 2006.
2. Dr. Wladimir Aranda, Test of self adhearing luting cements to human dentin, 2006.
3. A. Ryakhovsky, A. Karapetyan, Tooth restoration by ceramic inlays: a tutorial, Moscow, 2008.
4. Testing of crowns retention to various abutments utilizing different cements K. Lizenboim, A. Suvorov, B. Zalsman, and I. Suvorov, PEF-IADR 2008.

TECHNICAL DATA

Compressive strength	180 MPa
Flexural strength	170 MPa
Hardness by Barcol	80
Water sorption	8 µg/mm^3
Solubility	1 µg/mm^3
Adhesive bonding to un-etched enamel	> 20 MPa
Adhesive bonding to un-etched dentin	> 15 MPa
Adhesive bonding to Rexillium	> 10 MPa
Film thickness	10 µm
Radiopacity, % Aluminium	250
1-week Cumulative F-release (ng/cm2)	40
Working Time (in ambient light and temperature)	1.5 - 3.5 min
Setting Time (in oral temperature)	2.5 - 4.5 min
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item # 100050SE**
  1 Auto Mix Syringe 5ml of HQB SE A2
  10 Automix Syringe Mix Tips
  10 Intra-Oral Angular Tips, Size Long XX-Fine
  1 Mixing Pad
- **Item # 100051SE**
  1 Auto Mix Syringe 5ml of HQB SE White
  10 Automix Syringe Mix Tips
  10 Intra-Oral Angular Tips, Size Long XX-Fine
  1 Mixing Pad
- **Item # 100052SE**
  1 Auto Mix Syringe 5ml of HQB SE Translucent
  10 Automix Syringe Mix Tips
  10 Intra-Oral Angular Tips, Size Long XX-Fine
  1 Mixing Pad

RELATED PRODUCTS

Porcelain Fix

Q-Tem

Zirconite

High-Q-Bond

Q-Glass

ZIRCONITE™

Novel dual cured permanent adhesive resin cement specially formulated for Zirconia cementation

INDICATIONS

- Permanent cementation of Zirconia crowns, bridges, inlays and onlays.

PROPERTIES

- Superior retention and total margin integrity.
- Dual-cured, radiopaque, permanent resin cement in a convenient auto-mix syringe.
- Forms an excellent bond with Zirconium, metal alloys, porcelain and tooth structure.
- Self-cured cement which you can light-cure for an immediate set and extra strength at the margins.
- Virtually neither taste nor odor – Increased patient comfort.

SCIENTIFIC PAPERS

Testing of crowns retention to various abutments utilizing different cements
K. LIZENBOIM, B. ZALSMAN, I. SUVOROV and A. SUVOROV, BJM Laboratories Ltd., Or Yehuda, Israel, PEF-IADR 2008.

TECHNICAL DATA

Compressive strength	170 MPa
Flexural strength	170 MPa
Hardness by Barcol	80
Water sorption	8 µg/mm^3
Solubility	1 µg/mm^3
Adhesive bonding to Zirconia	> 12 MPa
Film thickness	10 µm
Radiopacity, % Aluminium	250
pH	~ 7
Dimensional Change on Polymerization	3 - 4 %
Working Time (in ambient light & temperature)	1.5-3.5 min
Setting Time (in oral temperature)	2.5-4.5 min
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item # 400050**

  1 Auto Mix Syringe 5 ml of Zirconite Dentin

  1 Mixing Pad

  10 Auto Mix Syringe Mix Tips

  10 Intra-Oral Angular Tips, Size Fine

  10 Intra-Oral Angular Tips, Size Long XX-Fine

- **Item # 400050TR**

  1 Auto Mix Syringe 5 ml of Zirconite Translucent

  1 Mixing Pad

  10 Auto Mix Syringe Mix Tips

  10 Intra-Oral Angular Tips, Size Fine

  10 Intra-Oral Angular Tips, Size Long XX-Fine

RELATED PRODUCTS

Prima 1

Prima 2000

Prima Quick

Auto Cure Activator

CEM-IMPLANT™

Non-eugenol, temporary resin cement for implant retained crowns

INDICATIONS

- Long-term cementation for permanent implant-retained restorations and long-term provisionals.

PROPERTIES

- Secure retention – Long-term cementation
- Retrievability – Off when you need it
- Radiopaque – Improves detection of excess cement
- Low solubility – Good marginal seal
- Easy handling – Two-stage cure features initial gel-phase in 2-2.5 minutes for easy removal of excess cement. Rigid final set ensures marginal seal and firm retention.
- Automix dual-barrel syringe and disposable mix tips Consistent product mix and controlled dispensing save time
- Esthetic gingival shading – Natural appearance
- Virtually neither taste nor odor – Increased patient comfort

SCIENTIFIC PAPERS

1. CRA Buying Guide - Outstanding Products 2004, December 2004.
2. Dental Advisor Clinical report, February 2005.
3. Dental Advisor Clinical report (abridged), February 2007.
4. Physical Properties of Temporary Cements Indicated for Cementing Implant-retained Abutments, W.A. MCHALE, A. KHASKIN, K. LIZENBOIM, A. VALDMAN, H. DODIUK-KENIG, and B. ZALSMAN, BJM Laboratories Ltd., Or Yehuda, Israel, Shenkar College of Engineering and Design, Ramat-Gan, Israel, PEF-IADR 2007.
5. CRA Guide for preferred clients, Volume 12, Issue 6, December 2007.
6. Cement Selection for Cement - retaned Crown Technique with Dental Implants, J. L. Sheets, C. Wilcox, T. Wilwerding, Journal of Prostodontics, Volume 17, Number 2, February 2008.
7. Dental Advisor Clinical report (PPL 2008), February 2008.
8. Testing of crowns retention to various abutments utilizing different cements K. Lizenboim, A. Suvorov, B. Zalsman, and I. Suvorov, PEF-IADR 2008

THE DENTAL ADVISOR ++++½

TECHNICAL DATA

Flexural Strength	60 MPa
Film Thickness	10 µm
Solubility	2 µg/mm^3
Water Sorption	12 µg/mm^3
Linear Shrinkage	2.5 %
Working Time@ 23°C	1.5-3.5 min
Initial Setting Time @ 37°C	2.0-2.5 min
Final Setting Time @ 37°C	4.5-5.0 min
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item # 100110 – Hand Mix**

  1 Syringe 10 ml of Cem-Implant Base

  1 Syringe 10 ml of Cem-Implant Catalyst

  1 Mixing Pad

  25 Mixing Spatulas

- **Item # 100115 – Auto Mix**

  2 Auto-mix Syringes

  5 ml Each of Cem-Implant

  20 Mix Tips

RELATED PRODUCTS

Q-Temp

Q TEMP™

Non-eugenol temporary resin cement with fluoride, potassium nitrate and chlorhexidine

INDICATIONS

- Temporary cementation of crowns and bridges

PROPERTIES

- Firm Retention / Easy Removal
  No re-cementing temporaries
- Eugenol-Free
  Non irritating to soft tissue / will not inhibit permanent cementation
- Fluoride Release
- Potassium Nitrate - Known to reduce sensitivity and act as a sedative to the pulp
- Chlorhexidine - A proven anti-bacterial agent
- Resin-Matrix Formulation
- Good marginal seal with no wash-out
- Two-Stage Curing
  Initial gel-set stabilizes temporary, allowing easy removal of excess
- Automix Syringe - Saves application time; guarantees consistent mix
- Neutral Shade - Blends esthetically with temporary restoration / No show-through

SCIENTIFIC PAPERS

1. Dental Advisor Clinical report, November 2006.
2. Crown retention and flexural strength with nine provisional cements, N. Lawson, J. O. Burgess, D. Mercante, Louisiana State University, New Orleans, USA. IADR 2006.
3. CRA Guide for preferred clients, Volume 30, Issue 12, December 2006.
4. Resin and Zinc-Oxide Temporary Cements, a Comparative Study, K. LIZENBOIM, A. KHASKIN, A. VALDMAN, W.A. MCHALE, H. DODIUK-KENIG, and B. ZALSMAN, BJM Laboratories Ltd, Or Yehuda, Israel, Shenkar College of Engineering and Design, Ramat-Gan, Israel, PEF-IADR 2007.
5. Testing of crowns retention to various abutments utilizing different cements K. Lizenboim, A. Suvorov, B. Zalsman, and I. Suvorov, PEF-IADR 2008.

TECHNICAL DATA

Flexural Strength	30 MPa
Film Thickness	10 µm
Solubility	7 µg/mm3
Water Sorption	22 µg/mm3
Linear Shrinkage	4.5 %
Exothermal Polymerization Temperature, Texo	31°C
Working Time @ 23°C	1.5 - 3.5 min
Initial Setting Time @ 37°C	1.5 - 2.0 min
Final Setting Time @ 37°C	3.0 - 4.0 min
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item #100014 Auto Mix - Intro**

  1x 5ml Automix Syringe

  10 Mix Tips

- **Item #100015 Auto Mix - Bulk**

  4x 5ml Automix Syringes

- **Item # 100010 – Hand Mix**

  1 Syringe 10 ml of Q-Temp Base

  1 Syringe 10 ml of Q-Temp Catalyst

  1 Mixing Pad

  25 Mixing Spatulas

RELATED PRODUCTS

High-Q-Bond

HQB SE

CEM-IMPLANT

Zirconite

Q-Glass

Q GLASS™

Glass-ionomer luting cement

INDICATIONS

- Permanent cementation of crowns and bridges

PROPERTIES

- Mixes easily
- High strength
- High radiopacity
- Snap set
- Excess material is easy to remove.
- Can be used also as a liner and base.

SCIENTIFIC PAPERS

Report on file: GIC, A. Akinmade, 1999.

TECHNICAL DATA

24 Hours Compressive Strength	120 MPa
1 Week Compressive Strength	140 MPa
Working Time @ 23°C	2.0 - 3.5 min
Setting Time @ 37°C	1.5 - 3.5 min
Radiopacity	250 %Al
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item # 100030 – Shade A2**

1 Bottle 16g Q-Glass Powder

1 Bottle 10 ml Q-Glass Liquid

1 Measuring Spoon

1 Mixing Pad

RELATED PRODUCTS

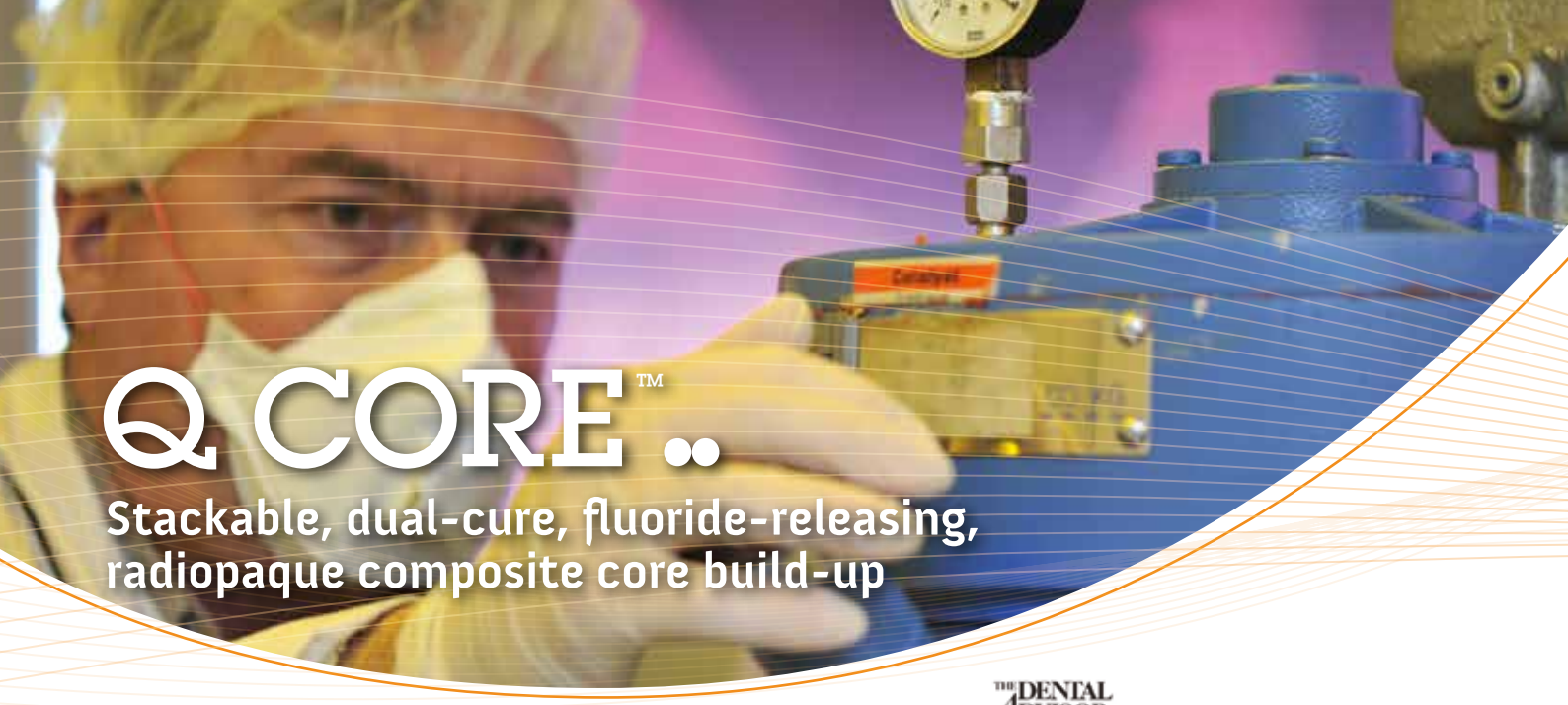
High-Q-Bond

HQB SE

Zirconite

Q-Temp

RESTORATIVES



Q CORE™

Stackable, dual-cure, fluoride-releasing, radiopaque composite core build-up

THE DENTAL ADVISOR ++++½

INDICATIONS

- Core build-ups in vital and non-vital teeth

PROPERTIES

Advanced Dual-Cure Formula
30 second cure to a depth of 8mm!
If light-curing is not an option – allow Q-Core to self-cure in 4.5 minutes intraorally!

- Improved natural appearance.
- The greater translucency of the enhanced Q-Core presents a more natural tooth appearance, which minimizes the chance of shadows under ceramic crowns- yet provides good contrast and excellent radiopacity.
- Outstanding handling for ease of use.
- Q-Core will stay put – even in difficult maxillary core build-ups, yet flows under pressure for excellent adaptation.
- Preps like dentin without ditching.
- Superior durability for peace of mind
- Q-Core composite core build-up material utilizes exclusive Hyperbranched.
- Technology™1 and nano-fillers for superior mechanical properties and long term clinical success - available in automix SyringeMix™ and cartridge dispensers.
- Depth of cure: A3 shade 8mm. White and blue shade 6mm.

SCIENTIFIC PAPERS

1. A Laboratory Evaluation of a Novel Self-Cured Core Build-Up Material, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 2001.
2. K. LIZENBOIM, H. DODIUK-KENIG, I. EPPELBAUM, B. ZALSMAN and S. KENIG, The effect of hyper-branched polymers on the properties of dental composites and adhesives, IADR Poster, Program Number 1489, 2003.
3. H. DODIUK-KENIG, K. LIZENBOIM, I. EPPELBAUM, B. ZALSMAN and S. KENIG, The effect of hyper-branched polymers on the properties of dental composites and adhesives. J. Adhesion Sci. Technol., Vol. 18, No. 15-16, pp. 1723 – 1737 (2004).
4. Core Report, Prof. M. Degrange, University of Paris, 2005.
5. H. DODIUK-KENIG, Keynote Address: Novel Dental Composites and Adhesives Based on Nanotechnology. IADR/AADR/CADR 83rd General Session, March 2005.
6. K. SIMMONS, J.O. BURGESS, and M.M. WINKLER, Cement Expansion in Saline, IADR/AADR/CADR 83rd General Session, March 2005.
7. Dual-Cure Core Compatibility to DBA using Self-Cured and Self-Etching Activators, B. Zalsman, A. Valdman, K. Lizenboim, I. Suvorov, A. Suvorov, W.A. McHale, H. Dodiuk-Kenig, IADR Poster, Program Number 1116, 2006.
8. H. DODIUK-KENIG, Y. MAOZ, K. LIZENBOIM, I. EPPELBAUM, B. ZALSMAN and S. KENIG, The effect of grafted caged silica (polyhedral oligomeric silesquioxanes) on the properties of dental composites and adhesives. J. Adhesion Sci. Technol., Vol. 20, No. 12, pp. 1401–1412 (2006).
9. H. Dodiuk-Kenig, K. Lizenboim, S. Roth, B. Zalsman, W. A. McHale, M. Jaffe, and K. Griswold, Performance Enhancement of Dental Composites Using Electrospun Nanofibers. J. of Nanomaterials, Volume 2008.

10. N. ZALTSMAN, A. VALDMAN, B. ZALSMAN, K. LIZENBOIM, A. KHASKIN, A. SUVOROV, and I. SUVOROV, Rheology of Dental Restorative Cements that Includes Fumed Silica Nanoparticles, PEF-IADR 2008.

11. Dental Advisor Clinical report, october-November 2008.

TECHNICAL DATA

Compressive Strength	250 MPa
Linear Shrinkage	1.2 %
Flexural strength	200 MPa
Diametral Tensile Strength	40 MPa
Solubility	2 µg/mm3
Water Sorption	14 µg/mm3
Hardness by Techlock Durometer GS-709N, Type A	90
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Depth of Cure Irradiation by LED – for 30 sec.	8.0 mm
Depth of Cure Irradiation by Halogen light – for 30 sec	8.0 mm
Working Time @ 23°C	1.5 - 3.5 min
Setting Time @ 37°C	2.5 - 4.5 min
Exotherm Temperature	26 °C
Radiopacity	400 %Al
Average Filler Concentration (by weight)	60 wt%
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Q-CORE Cartridge:**

  Item # 100100 - Shade White - 25ml

  Item # 100101 - Shade A3 - 25ml

  Item # 100103 - Shade Blue - 25ml

  Item # 100105 - Shade White - 50ml

  Item # 100106 - Shade A3 - 50ml

  Item # 100107 - Shade Blue - 50ml

- **Each Q-CORE Cartridge Kit contents:**

  1 Automix Cartridge of Q-Core

  25 Mix Tips

  25 Intra-Oral Syringe Tips

- **Q-CORE Syringe:**

  Item #100900 - Shade White

  Item #100901 - Shade A3

  Item #100902 - Shade Blue

- **Each Q-CORE Syringe Kit contents:**

  2 Auto mix Syringes 5 ml Each

  15 Mix Tips

  10 Intra-Oral Angular Tips, Size Fine

  10 Intra-Oral Angular Tips, Size Long XX- Fine

RELATED PRODUCTS

Q Etch

Q Etch UF

Prima 2000

Prima Quick

Prima 1

Q CROWN™

Temporary crown & bridge material

INDICATIONS

- Direct chairside Temporization Material

PROPERTIES

- Automix Syringe - Saves application time; guarantees consistent mix.
- Offers exceptionally tight marginal seal with precision fit.
- High biocompatibility.
- Suitable for long-term temporary crowns and bridges due to its high mechanical strength and precision fitting.
- Excellent esthetics due to great color stability, high polishability, choice of three
- Vita shades: A1, A2 and A3 and translucent Glaze Varnish.

PACKAGING & ORDER INFORMATION

- **Item #400230**
  1 Automix Syringe 5 ml of Q-Crown, Shade A1
  1 Automix Syringe 5 ml of Q-Crown, Shade A2
  1 Automix Syringe 5 ml of Q-Crown, Shade A3
  1 Bottle 5 ml of Q-Crown Glaze
  25 Automix Syringe Mix Tips
  25 Micro brush applicators
- **Item #400231**
  Q Crown, 1 X 5ml Auto Mix Syringes, Shade A1
- **Item #400232**
  Q Crown, 1 X 5ml Auto Mix Syringes, Shade A2
- **Item #400233**
  Q Crown, 1 X 5ml Auto Mix Syringes, Shade A3
- **Item #400234**
  Q Crown Glaze 5ml

Q SEAL™

Light cured, pit & fissure sealant with fluoride release

INDICATIONS

- Pediatric sealant applications

PROPERTIES

- Designed to seal pits and fissures of caries susceptible teeth
- Bonds to enamel by applying the acid-etch technique.
- Easy and precise application by using the direct syringe technique.
- Light-cured / LED light compatible.
- Low viscosity - Flows easily into pits and fissures.
- Contains and releases fluoride.

SCIENTIFIC PAPERS

1. A laboratory evaluation of the shear bond strength of resin sealants to intact enamel using self-etching and total-etch sealant systems, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 2006.

PACKAGING & ORDER INFORMATION

Item # 100120

2 Syringes 1.2ml Each of Q-Seal
2 Syringes 1.2ml Each of Q-Etch
8 Delivery Tips

TECHNICAL DATA

Compressive strength	150 MPa
Flexural strength	250 MPa
Barcol Hardness	80
Water sorption	18 µg/mm^3
Solubility	2 µg/mm^3
Fluoride release	3 µgF/cm^2 x 3 years
Bond Strength to etched tooth enamel	34 - 40 MPa
Sensitivity to ambient light	75 sec
Depth of cure	4.5 mm
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

RELATED PRODUCTS

Q Etch **Q Etch UF**

Quick Seal

QUICK SEAL™

Self-etching light cured, pit & fissure sealant with fluoride release

INDICATIONS

- Pediatric sealant applications

PROPERTIES

- Designed to seal pits and fissures of caries susceptible teeth.
- Self-Etching - Bonds to enamel without acid-etch.
- NO ETCH / NO RINSE / NO DRY simplifies and shortens the clinical procedure.
- Easy and precise application by using the direct syringe technique.
- Light-cured / LED light compatible.
- Low viscosity - Flows easily into pits and fissures.
- Contains and releases fluoride.
- Ideal for non cooperating children.

SCIENTIFIC PAPERS

A laboratory evaluation of the shear bond strength of resin sealants to intact enamel using self-etching and total-etch sealant systems, Prof. M. Latta, Creighton University School of Dentistry, Omaha, Nebraska, 2006.

PACKAGING & ORDER INFORMATION

- **Item # 100130**
  2 Syringes 1.2ml Each of Quick Seal and 4 Delivery Tips

TECHNICAL DATA

Compressive strength	150 MPa
Flexural strength	250 MPa
Hardness by Barcol	80
Water sorption	18 µg/mm^3
Solubility	2 µg/mm^3
Fluoride release	3 µgF/cm^2 x 3 years
Bond Strength to un-etched tooth enamel	20 – 25 MPa
Bond Strength to etched tooth enamel	34 – 40 MPa
pH	3.2
Sensitivity to ambient light	75 sec
Depth of cure	4.5 mm
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

RELATED PRODUCTS

Q-Seal

ORTHODONTIC PRODUCTS

HIGH Q BOND BRACKET™

Light cure bracket adhesive kit

INDICATIONS

- Bracket Adhesive - Bonds metal and ceramic brackets to tooth surfaces.

PROPERTIES

- Compatible with LED lights as well as traditional curing lights.
- Convenience of a light cure, plus a paste that has the bonding characteristics and viscosity that are optimal for today's mesh bases.
- Bonds chemically and mechanically for a superior bond, while flowing into the tightest mesh without bracket drift.
- Small particle glass filled material designed specifically for orthodontic use that allows maximum penetration of filler into the finest screen mesh base.
- Fluoride releasing and recharging.
- Available in either 4g Syringe or 0.4g Compule delivery system.
- Each Syringe can be applied to 40 – 60 brackets.
- Each Compule can be applied to 4 – 6 brackets.

TECHNICAL DATA

Adhesive bonding to etched enamel	> 30 MPa
Adhesive bonding to bracket	> 40 MPa
Water sorption	30 µg/mm^3
Solubility	7 µg/mm^3
Film thickness	15 µm
Dimensional Change on Polymerization	2 %
Working Time (in ambient light and temperature)	2 - 3 min
Setting Time	10 - 20 sec
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item # 400060 - High-Q-Bond Bracket Light Cure Adhesive Kit**

  2 Syringes Each 1.2 ml of Q-Etch Ortho

  1 Bottle 6 ml of HQB Bracket Primer

  4 Syringes 4 g Each of HQB Bracket Adhesive

  20 Dispensing Tips

  25 Microbrushes

  1 Mixing Pad

- **Item # 400061 - High-Q-Bond Bracket Light Cure Adhesive Compule Kit**

  2 Syringes 1.2 ml Each of Q-Etch Ortho

  1 Bottle 6 ml of HQB Bracket Primer

  40 Compules 0.4 g each of HQB Bracket Adhesive

  1 Compule Gun Syringe

  20 Dispensing Tips

  25 Microbrushes

  1 Mixing Pad

- **Item # 400064 - High-Q-Bond Bracket Light Cure Adhesive Compules Refill**

  40 Compules 0.4 g each of HQB Bracket Adhesive

- **Item # 400063 - 1 Syringe 4 g of High-Q-Bond Bracket Light Cure Adhesive**

- **Item # 400065 - 1 Bottle 6 ml of High-Q-Bond Bracket Light Cure Primer**

RELATED PRODUCTS

Q-Etch Ortho

Porcelain Fix

HIGH Q BOND BAND™

Light cure band cement

INDICATIONS

- Cementation of orthodontic bands.
- Occlusion adjustments to prevent deep bite and occlusal interference with a particular orthodontic device.

PROPERTIES

- Compatible with LED lights as well as traditional curing lights.
- Uses light cure adhesive technology to provide you with additional working time to ensure accurate band placement.
- Bonds chemically and mechanically to the band and to the tooth enamel.
- Excellent flow for filling the gap between the band and the tooth
- Contains the adhesive promoter 4-Meta, for strong and durable chemical bonding.
- Fluoride releasing and recharging.
- Easy to identify (visible blue color).strong reliable chemical bonding with tooth, metal and porcelain surfaces.

PACKAGING & ORDER INFORMATION

- **Item # 400062 - High-Q-Bond Band Light Cure Band Cement Kit**
  4 Syringes 4 g of HQB Band Cement
- **Item # 400066 - 1 Syringe 4 g of High-Q-Bond Band Cement**

RELATED PRODUCTS

Porcelain Fix

Q-Etch Ortho

TECHNICAL DATA

Adhesive bonding to etched enamel	> 30 MPa
Adhesive bonding to Rexillium	> 40 MPa
Water sorption	30 µg/mm^3
Solubility	7 µg/mm^3
Film thickness	15 µm
Dimensional Change on Polymerization	2 %
Working Time (in ambient light and temperature)	2 - 3 min
Setting Time	10 - 20 sec
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

HIGH Q BOND RETAINER™

Light cure retainer

INDICATIONS

- Adhesive bonding of orthodontic lingual retainers.

PROPERTIES

- Compatible with LED lights as well as traditional curing lights.
- Uses light cure adhesive technology to provide you with additional working time to ensure accurate retainer placement
- Ideal viscosity - No drift.
- Easy to identify (visible orange color)
- Photo chromatic technology - After light curing, color changes from orange to white.
- Contains the adhesive promoter 4-Meta, for strong and durable chemical bonding.
- Fluoride releasing and recharging.

PACKAGING & ORDER INFORMATION

- **Item # 100320 High-Q-Bond Light Cure Retainer Kit**
  2 Syringes 1.2 ml of Q-Etch Ortho
  2 Syringes 1.2 ml of HQB Light Cure Retainer
  8 Delivery Tips

TECHNICAL DATA

Adhesive bonding to etched enamel	> 30 MPa
Adhesive bonding to Rexillium	> 40 MPa
Film thickness	15 µm
Dimensional Change on Polymerization	2 %
Working Time (in ambient light and temperature)	2 - 3 min
Setting Time	10 - 20 sec
Compatible with halogen light	Yes
Compatible with Plasma ark light lamp	Yes
Compatible with LED	Yes
Shelf Life	2 Years

RELATED PRODUCTS

Q-Etch Ortho

Porcelain Fix

Q ETCH™ ORTHO

Etching gel - phosphoric acid 37%

INDICATIONS

- Any procedure that requires etching

PROPERTIES

- 37% Phosphoric Acid Etch Gel with excellent viscosity for precise application.
- Stays put and does not run.
- Washes off easily & quickly.
- Has excellent water solubility.
- Easy to use. Available in 1.2 ml syringes.
- Applicators tips are angled to facilitate easy and accurate placement of the gel.
- Disposable tips save time and are more sanitary.
- Green Visible color.

PACKAGING & ORDER INFORMATION

- **Item # 400067**
  4 Syringes 1.2ml Each of Q-Etch Ortho and 8 Dispensing Tips

TECHNICAL DATA

Excellent water solubility	
pH	1.8
Viscosity	Unfilled
Shelf Life	2 Years

RELATED PRODUCTS

High-Q-Bond Bracket

High-Q-Bond Band

High-Q-Bond Light Cure Retainer

Q GLASS™ ORTHO

Glass ionomer band cement

INDICATIONS

- Cementation of orthodontic bands.

PROPERTIES

- Strong chemical adhesion.
- Fluoride release.
- Low sensitivity to moisture.
- Blue color for good visibility.

PACKAGING & ORDER INFORMATION

- **Item # 100340 - Q-Glass Ortho Glass - Ionomer Band Cement Kit**
  1 bottle 16 g Q-Glass Ortho Powder
  1 bottle 10 ml Q-Glass Ortho Liquid
  1 Measuring Spoon
  1 Mixing Pad

TECHNICAL DATA

Adhesive bonding to enamel	> 10 MPa
24 Hours Compressive strength	> 70 MPa
Working Time @ 23°C	2 - 3 min
Setting Time @ 37°C	3 - 4 min
Shelf Life	2 Years

RELATED PRODUCTS

Q-Etch Ortho

Porcelain Fix

ENDODONTIC PRODUCTS

BJM ROOT CANAL SEALER™

Two-paste epoxy-amine resin root canal sealer

INDICATIONS

- Obturation of root canals together with gutta-percha points.

PROPERTIES

- Extremely High radiopacity.
- Excellent wetability and flow properties.
- Outstanding sealing ability.
- IABN Antibacterial technology.
- Non-cytotoxic.
- Long-term stability.
- Moderate flexibility that prevents cracking of fully cured material.
- Low shrinkage.
- Automix Syringe - Saves application time; guarantees consistent mix.

TECHNICAL DATA

BJM RCS will set within 48 hours at 37°C	
Shelf Life	2 Years

PACKAGING & ORDER INFORMATION

- **Item # 400200**
  1 Automix Syringe 5 ml of BJM RCS
  10 Automix Syringe Mix Tips and Inta Oral Tips
  1 Mixing Pad

ACCESSORIES

ACCESSORIES

PACKAGING & ORDER INFORMATION

- **Item # 400091** 20 Dispensing Tips 18 Gauge
- **Item # 400094** 20 Dispensing Tips 20 Gauge
- **Item # 400092** 20 Dispensing Tips 22 Gauge
- **Item # 4000925** 20 Dispensing Tips 25 Gauge
- **Item # 400095** 20 Micro Brush applicators 22 Gauge
- **Item # 100092** 10 Disposable Syringes 1.2 ml and 1 Converter
- **Item # 100992** Endodontic Canal Irrigation Kit
- **Item # 400191YIOT50** 50 Yellow Intra Oral Dispensing Tips
- **Item # 400092XL50** 50 Dispensing Tips X-Long 22 Gauge
- **Item # 400095XL50** 50 Dispensing Tips X-Long 25 Gauge
- **Item # 400193** 50 Intra-Oral Angular Tips, Size Fine
- **Item # 400194** 50 Intra-Oral Angular Tips, Size Long XX-Fine
- **Item # 100117** 25 Auto mix Syringe Mix Tips
- **Item # 100903** 25 Auto mix Syringe Mix Tips and 25 Intra-Oral Fine Tips
- **Item # 100906** 25 Auto mix Syringe Mix Tips and 25 Intra-Oral Long XX-Fine Tips
- **Item # 100911** 25 Auto mix Syringe Mix Tips and 25 Intra Oral Fine Tips and 25 Intra-Oral Long XX-Fine Tips
- **Item # 100102** 25 Auto mix Cartridge Mix Tips and 25 Intra-oral Yellow Tips
- **Item # 400097** S25 Dispenser for 25 ml cartridge

ORDER INFORMATION

Item Code	Description
100061	Auto-Cure Activator, 2ml
100064	Auto-Cure Activator, 4ml
100060	Auto-Cure Activator, 7ml
100110	Cem-Implant Hand Mix, 2x10ml
100115	Cem-Implant Auto Mix, 2x5ml
100050	High-Q-Bond Adhesive Resin Cement Hand Mix, 2x3ml
100050AM	High-Q-Bond Adhesive Resin Cement, Auto Mix, 1x5ml
400050	Zirconite Auto Mix, Shade Dentin, 1x5ml
400050TR	Zirconite Auto Mix, Shade Translucent, 1x5ml
100050SE	High-Q-Bond SE Auto Mix, Shade A2, 1x5ml
100051SE	High-Q-Bond SE Auto Mix, Shade White, 1x5ml
100052SE	High-Q-Bond SE Auto Mix, Shade Translucent, 1x5ml
100080	Porcelain Fix, comprising Porcelain Etch, 5 ml and Porcelain Silane, 5 ml
400080	Porcelain Silane, 5 ml
400081	Porcelain Etch, 5 ml
400084	Porcelain Fix, comprising Porcelain Etch, 2x1.2ml and Porcelain Silane, 2x 2ml
400082	Porcelain Etch, 2x1.2ml
400083	Porcelain Silane, 2x2ml
400055	Q-Ceram, 5ml
100240	PRIMA 1, 4ml
100241	PRIMA 1, 4ml & 50 Applicators
100222	PRIMA 2000, 2ml
100224	PRIMA 2000, 4ml
100225	PRIMA 2000, 5ml
100227	PRIMA 2000, 7ml
100230	PRIMA 2000, 10ml
100200	PRIMA Quick Kit, comprising PRIMA Quick Prime, 10ml and PRIMA Quick Bond, 10ml
100212	PRIMA Quick Prime, 2ml

Item Code	Description
100214	PRIMA Quick Prime, 4ml
100215	PRIMA Quick Prime, 5ml
100217	PRIMA Quick Prime, 7ml
100218	PRIMA Quick Prime, 8ml
100210	PRIMA Quick Prime, 10ml
1002202	PRIMA Quick Bond, 2ml
1002204	PRIMA Quick Bond, 4ml
1002205	PRIMA Quick Bond, 5ml
1002207	PRIMA Quick Bond, 7ml
1002208	PRIMA Quick Bond, 8ml
100220	PRIMA Quick Bond, 10ml
100100	Q-CORE, Shade White, 25ml
100101	Q-CORE, Shade A3, 25ml
100103	Q-CORE, Shade Blue, 25ml
100105	Q-CORE, Shade White, 50ml
100106	Q-CORE, Shade A3, 50ml
100107	Q-CORE, Shade Blue, 50ml
100900	Q-CORE Syringable, Shade White, 2x5ml
100901	Q-CORE Syringable, Shade A3, 2x5ml
100902	Q-CORE Syringable, Shade Blue, 2x5ml
100090	Q-Etch, 10ml
100091	Q-Etch UF, 10ml
100097	Q-Etch, 4x1.2ml
100095-5	Q-Etch, 5x3ml
100091-5	Q-Etch UF, 5x3ml
100098	Q-Etch UF, 4x1.2ml
100030	Q-Glass, Shade A2, comprising Powder 16g and Liquid, 10ml
100120	Q-Seal, comprising Q-Seal, 2x1.2ml and Q-Etch, 2x1.2ml
100014	Q-Temp Auto Mix - Intro, 1x5ml
100015	Q-Temp Auto Mix - Bulk, 4x5ml
100010	Q-Temp Hand Mix, 2x10 ml

ORDER INFORMATION

Item Code	Description
400230	Q-Crown Kit, comprising Q-Crown Shade A1, 1 x 5ml, A2 1 x 5ml, A3 1 x 5ml and Glaze, 1 x 5ml
400231	Q-Crown, Shade A1, 5ml
400232	Q-Crown, Shade A2, 5ml
400233	Q-Crown, Shade A3, 5ml
400234	Q-Crown, Glaze, 5ml
100130	Quick Seal, 2x1.2ml
400094	20 Dispensing Tips 20 Gauge
400092	20 Dispensing Tips 22 Gauge
4000925	20 Dispensing Tips 25 Gauge
100092	10 Disposable Syringes 1.2 ml and 1 Converter
100992	Endodontic Canal Irrigation Kit
400092	20 Micro Brush applicators 22 Gauge
400191YIOT50	50 Yellow Intra Oral Dispensing Tips
400092XL50	50 Dispensing Tips X-Long 22 Gauge
400095XL50	50 Dispensing Tips X-Long 25 Gauge
400193	50 Intra-Oral Angular Tips, Size Fine
400194	50 Intra-Oral Angular Tips, Size Long XX-Fine
100117	25 Auto mix Syringe Mix Tips
100102	25 Auto mix Cartridge Mix Tips and 25 Intra-oral Yellow Tips
100903	25 Auto mix Syringe Mix Tips and 25 Intra-Oral Fine Tips
100906	25 Auto mix Syringe Mix Tips and 25 Intra-Oral Long XX-Fine Tips

Item Code	Description
100911	25 Auto mix Syringe Mix Tips and 25 Intra Oral Fine Mix Tips and 25 Intra-Oral Long XX-Fine -Tips
400097	S25 Dispenser for 25 ml cartridge
100320	High-Q-Bond Light Cure Retainer
100340	Q-Glass Ortho Band Cement Blue
400060	High-Q-Bond Bracket Light Cure Adhesive Kit
400061	High-Q-Bond Bracket Light Cure Adhesive Compule Kit
400064	High-Q-Bond Bracket Light Cure Adhesive Compules Refill 40x0.4 g
400063	High-Q-Bond Bracket Adhesive Refill 4 g
400065	High-Q-Bond Bracket Primer Refill 6 ml
400062	High-Q-Bond Band Light Cure Band Cement Blue Kit
400066	High-Q-Bond Band Cement Refill 4 g
400067	Q-Etch Ortho 37%,4x1.2 ml
400200	BJM RCS, 1x5ml

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