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AHL

Advanced Healthcare Ltd.





Your global partner

Delivering quality since 1986

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ADVANCED HEALTHCARE LTD

Founded in 1986, **Advanced Healthcare Ltd.** (**AHL**) has become one of Europe's leading manufacturers of private label and OEM dental materials. We are the acknowledged specialists in glass ionomer restoratives and cements, and also produce a wide range of other materials including temporary materials, composites, etchants, bonding adhesives, cleansers and prophylaxis pastes as well as many accessories. Following growing demand from customers around the world we have rebranded our own products, bringing a new & modern appearance to our product presentation. We have also incorporated various technological improvements to enhance our world-renowned product quality. **AHL** has research facilities and works closely with dental hospitals, universities and other academic institutions on the development of innovative materials, including **AMALGOMER**, a super-strong glass ionomer restorative. Whilst historically our core competence started in Glass Ionomer Cements, we have significantly diversified our expertise over the years and have developed a continuous programme to refine new techniques and chemistry that will enable dentistry to improve standards of dental health around the world.

If you feel you have ideas or concepts that you would like to discuss with like-minded people please feel free to email us at **sales@ahl.uk.com** or telephone **+44 (0) 1892 870500**.

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GLASS IONOMER FILLING MATERIALS

- ✓ Good early translucency
- ✓ High strength
- ✓ Packable consistency
- ✓ Good wear and erosion resistance
- ✓ Vita® shades
- ✓ Easy mixing

GOOD AESTHETICS & DURABLE RESTORATIONS



Good working and setting time.
Indicated for Class III or V cavities. Class I and II cavities in deciduous teeth. Optimum working and setting time.
Easy mixing and handling.

Powder/Liquid 15g/7ml plus mixing pad and scoop

CLASS I CLASS II CLASS III CLASS V

AHfil Anterior Restorative Material

AHfil anterior restorative material delivers good translucency and is biocompatible with minimal pulp sensitivity. It has a CTE close to that of natural dentition and good bond strength.

A1 A2 A3 A3.5

Available in	Code
A1	AH0001
A2	AH0002
A3	AH0003
A3.5	AH0004

COMPRESSIVE STRENGTH MPa

230



- Superb translucency
- VITA® shading
- Contains fluorescent additive
- High compressive strength
- Radiopaque
- Packable consistency
- Biocompatible



A2 A3 A3.5

AHfil + Posterior Restorative Material

Indicated for Class III and V cavities, core build up and Minimal Intervention (MI) treatment. Packable consistency and high compressive strength. Radiopaque.

Powder/Liquid 15g/7ml plus mixing pad and scoop

Available in	Code
A2	AH0100
A3	AH0101
A3.5	AH0102

50 Capsules

Available in	Code
A2	AH0150
A3	AH0151
A3.5	AH0152

FLEXURAL STRENGTH MPa

55



A2 A3 A3.5

- Dual curing mechanism
- High compressive strength
- High flexural strength
- Good shear bond strength
- Radiopaque



A2 A3

AHfil LC Light Curing Resin Modified Restorative Material

Indicated for Class V and single surface Class I & II cavities in adults.
Ideal for cervical lesions, "sandwich" restorations, ART, MI and where cariostatic activity is required. With high flexural strength. Easily mixed with smooth texture, and radiopaque.

Powder/Liquid 15g/6ml plus mixing pad and scoop

Available in	Code
A2	AH0300
A3	AH0301
A3.5	AH0302

50 Capsules

Available in	Code
A2	AH0310
A3	AH0311

- Transparent finish
- Light curable
- Non flammable
- Dropper bottle presentation
- Protection from oral moisture



AHfil LC Coat Advanced light-cured glass ionomer coating for "extended life" for GI restorations

A light cure resin coating designed to protect and enhance glass ionomer restoratives. It is also beneficial to all other types of restorative materials.
AHfil LC Coat gives aesthetics, good wear resistance and adhesion to existing dentine and enamel.
Easily placed over restorations.
Good translucency.
Improved adhesion technology.

Available in	Code
5ml bottle	AH0255

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COMPOSITE FILLING MATERIALS

reliaFIL LC Universal Light-Cure Composite Restorative System

reliaFIL LC is AHL's universal light cured composite filling material. Using advanced particle technology we have developed a "nano hybrid" composite material with excellent wear resistance and superb aesthetics. reliaFIL LC received a 4-star rating from the Dental Advisor.

- ✓ Universal use, posterior & anterior
- ✓ Excellent radiopacity
- ✓ Light cure
- ✓ Superb wear resistance
- ✓ Class leading aesthetics
- ✓ Available in 12 shades

CLASS I CLASS II CLASS III CLASS IV CLASS V X RAY



20 x 0.25g capsule



Syringe 4g

FLEXURAL STRENGTH MPa

130



A1 A2 A3 A3.5 A4 B1 B2 C2 BW A2O A3O INC

Shade	Capsule	Syringe	Shade	Capsule	Syringe
A1	AH0950	AH0800	B2	AH0956	AH0806
A2	AH0951	AH0801	C2	AH0957	AH0807
A3	AH0952	AH0802	BW	AH0958	AH0808
A3.5	AH0953	AH0803	A2O	AH0959	AH0809
A4	AH0954	AH0804	A3O	AH0960	AH0810
B1	AH0955	AH0805	INC	AH0961	AH0811

reliaFIL LC Kit

Advanced fluoride release and recharge. Suitable for both anterior and posterior Class 1 to V cavities.

In kits of up to 6 shades	Code
4 x 4g or 6 x 4g syringes in 12 shades with reliaBond & caviEtch	Contact us for shades & codes

reliaFIL Flow Light Curing Flowable Composite Material

Anterior class III & V including cervical caries, wedge shaped defects.
Small posterior class I & II without occlusal stress bearing.
Deciduous restorations.
Preventive restoration (pit & fissure sealant).
Base / liner under restoration.

FLEXURAL STRENGTH MPa

100

- ✓ Radiopaque
- ✓ Light cure
- ✓ Optimal light diffusion
- ✓ High elasticity
- ✓ Fluorescent agent



Syringe 2g

A1 A2 A3 A3.5 A4 A3O A3T

X RAY CLASS I CLASS II CLASS III CLASS V

Available in	Code	Available in	Code
A1	AH0900	A3.5	AH0903
A2	AH0901	A4	AH0904
A3	AH0902		

reliaFlow Bulk

A bulk filling composite with ideal shade opacity, low shrinkage and full polymerisation at 4mm depth of cure. The self-levelling characteristics produce good cavity adaptation. Suitable for use with both Halogen and LED curing lights.

Syringe 2g + 5 application tips

- ✓ High depth of cure
- ✓ Self-levelling action
- ✓ High filler content
- ✓ Radiopaque



U D

X RAY

Available in	Code
Universal shade	AH0920
Dentine	AH0921

reliaFIL Bulk

- ✓ Long lasting restorations
- ✓ Penetrating depth of cure
- ✓ Good aesthetics
- ✓ Radiopaque
- ✓ Good retention



U A

X RAY

Syringe 4g

An advanced composite predominantly designed for posterior use, including occlusal surfaces. It provides exceptional condensability and sculptability, delivering superb shade stability. Features low shrinkage for stress-free restorations and full polymerisation at 4mm curing depth. reliaFil Bulk is optically balanced thanks to its filler structure and therefore opaque enough to optimally harmonise with natural teeth. Suitable for use with both Halogen and LED curing lights.

Available in	Code
Universal shade	AH0860
Shade A	AH0861

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reliaflow Molar

An advanced light-curable radiopaque flowable restorative material indicated for every classification of tooth cavity. It is a flowable composite resin with excellent physical properties that make it suitable for restoring both anterior and posterior teeth, in particular, the occlusal surfaces of posterior teeth and proximal margins.
The injectable nature of reliaFlow Molar makes posterior restorations easier than ever before. Suitable for use with both Halogen and LED curing lights.

COMPRESSIVE STRENGTH MPa
335



Syringe 2g



- Radiopaque
- Fluorescent agent
- High elasticity
- Flexural strength

Available in	Code	Available in	Code
A1	AH0910	A3.5	AH0913
A2	AH0911	A4	AH0914
A3	AH0912	B2	AH0915

BONDING & ETCHING

caviEtch Phosphoric Acid Etchant

caviEtch is a 40% aqueous phosphoric acid etchant designed to deliver a high quality "etch" to enamel surfaces for bonding to composite and resin restorations.



Available in	Code
5ml syringe with 10 Luer lock application tips	AH1300

- True one-step application
- No mixing or shaking needed
- Quick and easy to use
- High bond strength
- HEMA free composition
- Only a very thin layer required

SHEAR BOND STRENGTH @ 24H MPa

26.4 ENAMEL

27.8 DENTINE



reliaBond Xtra Self Etch Adhesive

reliaBond Xtra is a truly "all in one" adhesive which is HEMA free. It allows the user to etch, prime and bond using a single application. reliaBond Xtra offers excellent bond strength to enamel, dentine and metal and is suitable for use with both composite and compomers.

Available in	Code
6ml bottle	AH1160
6ml bottle with dispensing well and 50 micro applicators	AH1100

MICROTENSILE BOND STRENGTH MPa

31 TO ENAMEL

25 TO DENTINE



- No need for a separate primer
- Odourless
- Minimal preparation required
- Easily controllable
- Lasting restorations

reliaBond Light Cured Adhesive

reliaBond is a single part light cured prime and bond material. It offers high bond strength between composite or compomers and enamel, dentine and metal. The material is in the form of a viscous, non-thixotropic light curable liquid that has the ability to moisten and penetrate dentine. Can be used for direct restorations and for direct and indirect inlays, onlays and veneers.

· Single application – no separate primer
· Solvent free and odourless
· High bond strength

Available in	Code
5ml bottle	AH1200

CEMENTS AND LINERS



AHlute Glass Ionomer Luting Cement

AHlute Glass Ionomer Luting Cement adheres chemically to tooth substance and non-precious alloys giving maximum retention. The pH increases rapidly during setting process ensuring excellent biocompatibility. Indicated for cementing ceramic, metal crowns & bridges, cementing metal inlays & onlays and orthodontic cementation of brackets and bands.

COMPRESSIVE STRENGTH MPa

122

- ✓ High strength
- ✓ Good wear & erosion resistance
- ✓ Biocompatible
- ✓ Long lasting cementations
- ✓ Minimal puplal reaction



Bottle delivery contains a mixing pad and scoop.

Available in	Code
Powder/Liquid 15g/7ml	AH0400

Available in	Code
50 capsules	AH0410

FLEXURAL STRENGTH MPa

41.7

- ✓ Good adhesion
- ✓ Needs no primer
- ✓ No mixing
- ✓ Good handling
- ✓ Radiopaque



Available in	Code
50 capsules	AH0510

AHlute + Resin Modified Glass Ionomer Luting Cement

This self-curing resin modified glass ionomer luting cement is ideal for luting metal crowns, bridges, inlays, onlays and "all ceramic" restorations.
Bottle pack contains a mixing pad and scoop.



Available in	Code
Powder/Liquid 15g/7ml	AH0500

ZCem Phos Zinc Phosphate Cement

ZCem Phos combines tried and tested technology with modern processing techniques to produce a dependable and durable cement. Although first introduced in the 1890's zinc phosphate cements still play an important role in modern dentistry.

· Cementation of crowns and bridges.
· Cementation of inlays and onlays
· Cementation of Orthodontic bands

COMPRESSIVE STRENGTH MPa

148

- ✓ Adhesive to enamel & dentine
- ✓ Proven formula
- ✓ Wide range of uses
- ✓ Radiopaque



Available in	Code
Powder/Liquid 90g/30ml	AH0600

ZCem Carb Polycarboxylate Cement

This product provides good biocompatibility, along with mechanical strength and erosion resistance. This cement builds on the proven performance of zinc polycarboxylate cements. In addition to the biocompatibility inherent in such cements it has good mechanical strength and erosion resistance.

· Cementation of crowns and bridges
· Cementation of inlays and onlays.
· Orthodontic cementation of bands.
· Temporary filling material

FILM THICKNESS

15 µm

- ✓ Easy mixing
- ✓ Adhesive to enamel and dentine
- ✓ Contains no phosphoric acid
- ✓ Radiopaque



Available in	Code
Powder/Liquid 90g/30ml	AH0700

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ZOECem Reinforced Zinc Oxide Eugenol Cement



ZOECem features a reinforcing polymer incorporated into the powder, giving the cement the strength to resist condensation forces and to ensure adequate life when used as a temporary filling.

- Mixes easily
- Good handling
- Radiopaque
- Temporary restorative

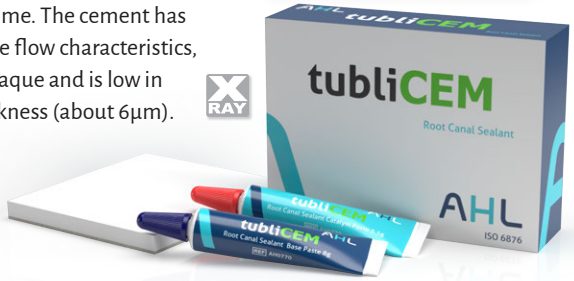
· Temporary filling material
· Base or lining under restorative materials (amalgam, silicate, silicophosphate, glass ionomer)

Available in	Code
40g Powder/15ml Liquid	AH0750

tubliCEM Zinc Oxide Eugenol Root Canal Sealer

Tublicem is a two paste Zinc Oxide-Eugenol cement for use in root canal sealing. The 2 pastes mix easily to a smooth creamy consistency with long working time and setting time. The cement has moderate flow characteristics, is radiopaque and is low in film thickness (about 6µm).

- Good flow characteristics
- Easy to apply – flows well
- Long working time
- Radiopaque
- Tube – Tube presentation
- Easy to prepare and mix



Available in	Code
8g Base/3.5g Catalyst	AH0770

caviLINE Calcium Hydroxide Lining Paste

caviLINE is a Calcium Hydroxide based two paste system used for capping pulp or protective liner under dental filling materials and cements. The catalyst and base pastes are presented in laminated tubes. The material mixes to a smooth creamy consistency to a 'dentin-like' colour and self-setting to rigid solid liner that will not inhibit the polymerisation of acrylic and composite restorations.

- Mixes easily
- Good flow characteristics
- Calcium hydroxide
- Radiopaque
- Easy to apply



Available in	Code
13g Base/11g Catalyst	AH0760

AHseal

Powder and resin root canal filling material which has excellent sealing capacity. It offers close adaptations of the root canal walls and has very low contraction during setting.
Setting time 8 - 20 hours. Working time over 4 hours.
· Permanent obturation of root canals of teeth of the secondary dentition with the aid of obturation points

- Excellent sealing capacity
- Easy to mix
- Neutral colouring
- Does not inhibit adhesion of other materials
- Radiopaque



Available in	Code
10g Resin/8g Powder	AH0780

NEW PRODUCTS

caviLINE LC

caviLINE LC is a light-curing, radiopaque one-component material containing Calcium Hydroxide.
· Indirect pulp capping
· Protective liner under dental filling materials, cements and other base materials



- No mixing required
- Apply directly from syringe
- Radiopaque

Available in	Code
4g Syringe	AH0761

AHseal + Epoxy Resin Root Canal Sealer Paste

Root canal base and resin are mixed to produce a root canal filling material of excellent sealing capacity as a result of its close adaptation to the root canal walls and very low contraction during setting.
Setting time 8 - 20 hours.
Working time over 4 hours.
· Permanent obturation of root canals of teeth of the secondary dentition with the aid of obturation points

- Excellent sealing capacity
- Easy to mix
- Paste/paste presentation
- Neutral colouring
- Does not inhibit adhesion of other materials



Available in	Code
20g Base/10g Resin	AH0781

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TEMPORARIES



Tfil Temporary Cavity Filling Material

A ready to use temporary filling material with a synthetic resin base. Good adhesion to dentine and excellent marginal adaptation.

· Two stage setting – rapid initial set allows for easy placement
· Adequate strength yet easily removed
· Easy to use consistency

Available in	Code
30g Jar – White	AH1000



- ✓ Versatile material
- ✓ Stays in place
- ✓ Good handling
- ✓ Easily identifiable

Tfil eco Temporary Cavity Filling Material

A ready to use temporary filling material with a zinc oxide base. Adequate strength yet easily removed. Good adhesion to dentine and excellent marginal adaptation.

· For temporary filling of cavities and temporary seal for medicaments
· Easy to use consistency

Available in	Code
38g Jar – White	AH1020



- ✓ Eugenol free
- ✓ Good flow characteristic
- ✓ Quick setting
- ✓ Reduced chair time

xeroCem Eugenol Free Temporary Cement

Totally Eugenol free cement based on zinc oxide and EBA. It gives a smooth and creamy consistency.

· Radiopaque with low film thickness
· Does not inhibit resin polymerisation
· Ideal for temporary cementation of provisional crowns and bridges
· Suitable for use on patients with Eugenol sensitivity or allergy

Available in	Code
40g Base Paste/ 20g Catalyst Paste	AH1051

OTHER MATERIALS



- ✓ Radiopaque
- ✓ Ideal amalgam substitute
- ✓ Universal shade

COMPRESSIVE STRENGTH MPa
>300

AMALGOMER CR Improved High Strength Posterior Glass Ionomer

· Ceramic Reinforcement
· Exceptionally low wear
· Excellent for core build ups
· High strength, exceeds 300MPa compressive strength
· Universal tooth shade
· Natural Adhesion to tooth structure

Available in	Code
Hand Mix 12g Powder/5ml Liquid	AHLAMCRPLU

AHlute ortho Orthodontic Luting Cement Water Mix

Optimised for use in orthodontic procedures – adheres chemically to tooth and non-precious metals for excellent retention.

· Exceptional strength for durable cementation
· Easy mixing
· Excellent biocompatibility

Available in	Code
Water Mix 30g	AH0450

AHfil TC Toothcleanser (Dentine Conditioner)

Removes the salivary pellicle or smear layer on uncut or contaminated tooth surfaces prior to placing the glass ionomer.

· Enhances glass ionomer adhesion
· Dropper bottle presentation – easy to apply
· Optimum viscosity – even application
· Removes contamination – improves adhesion

Available in	Code
10ml	AH0250

Refill Liquids

Available in	Code
7ml bottle for AHfil & AHlute	AH0015
7ml bottle for AHfil +	AH0110
7ml bottle for AHlute +	AH0501

ORAL CARE



proKlene Prophylaxis Paste Regular

A selected blend of abrasives to ensure optimum removal of plaque and tartar without excessive abrasion to enamel.
· Thixotropic for reduced splatter
· Natural flavouring for patient acceptance
· Fluoride free

Available in	Code
50g Regular Coarse Orange	AH1425
50g Regular Medium Mint	AH1426
250g Regular Coarse Orange	AH1400
250g Regular Medium Mint	AH1401



astrinGIVAL Gingival Retraction Paste

astrinGIVAL is an astringent formulation to provide gingival retraction and haemostasis.

This product is a blue- green paste developed exclusively for transient use in the oral cavity. An astringent formulated to provide gingival retraction and hemostasis. Syringe contains an astringent retraction paste for any situation in which a temporary displacement of the marginal gingival and / or the assurance of a dry and clean sulcus is required.

2 X 2g Paste in Syringes in foil packaging

Available in	Code
2 x 2g + 12 Application tips	AH1650



proKlene + Prophylaxis Paste Oil Free

Same as proKlene regular but is oil free
· Suitable for cleaning cavities prior to placing restoration

Available in	Code
50g Oil Free Coarse Mint	AH1475
50g Oil Free Medium Orange	AH1476
250g Oil Free Coarse Mint	AH1450
250g Oil Free Medium Orange	AH1451

proKlense Mouthwash Tablets



A mouthwash tablet for use post-dental treatment to provide oral freshness. Just pop 1 quick-dissolving tablet into a glass, fill with water & within seconds it provides a mouth rinse for mechanical removal of post-treatment debris.
· Fresh tasting spearmint flavour
· Excellent value – 1000 applications per pack:
one tablet = one glass of mouth rinse

Available in	Code
1000 tablets	AH1510

proRinse Mouthwash Concentrate

Super concentrated mouth rinse for use post-treatment, with a clean-tasting spearmint flavour ideal for mechanical removal of post-treatment debris.
· Fresh tasting spearmint flavour
· Free from sugar and alcohol
· Very economical – over 1100 applications per pack:
one dose = one glass of mouth rinse

Available in	Code
100ml	AH1500



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Manufacturers of high quality dental materials for own brand and private label.





- Established 1986 in Kent, England
- One of Europe's leading dental materials manufacturers
- AHL brand, private label or bulk supply
- BS EN ISO 13485, CE certified
- FDA registration and BDIA membership
- Supplying major dealers worldwide with private label materials
- Worldwide dental materials export
- Highly respected for reliable, quality products and service
- Innovators of AMALGOMER, one of the world's strongest glass ionomers
- Regulatory support



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