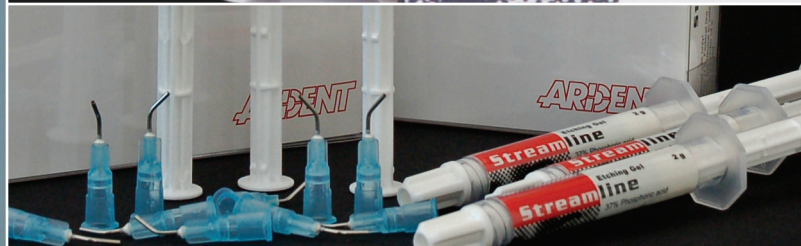


Ardent

Swedish quality
since 1956.



Filling therapy made in Sweden.





Meridian DFT 20 x 0,25g
Shades A1, A2, A3, A3,5, B2, C3



Meridian Syringe 1x4 g/2x4 g/3x4 g
Shades A1, A2, A3, A3,5, B2, C3



Meridian GTK Standard
1x4 g Syringe of each A2/A3/A3,5 + 1x2 g Latit
Flow A3 + 1x5 ml Bonding + 1x2 g Streamline



Ardent Applicator
for easy application
of DFT

Ardent Meridian

Product description

Ardent Meridian is a light curing universal composite material of the latest nanohybride type having an optimized chemical composition. Contains fluor. Meridian is intended for all filling classes and can be combined with all adhesives based on BIS-GMA monomer.

Clinical indications

- Posterior restorations (class I and II).
- Anterior restorations (class III, IV).
- Wedge shaped defects and cervical caries attacks (class V).
- Repair of composite and ceramic veneers.

Features and benefits

- Excellent modelling and handling qualities.
- Easy to form fissure systems and cusps.
- Does not stick to the instrument.
- Extremely easy to polish to very high gloss due to nano technology and spherical particles.
- High colour adaptability to surrounding tooth substance.
- Minimal polymerisation shrinkage.
- Minimized water absorption.
- Very high filler portion.
- Very high X-ray contrast.
- Longer working time due to reduced sensivity to ambient light.
- Contains fluor particles.

- Very good physical values.
- Follows the Vita scale.
- Long working time without any tendency of self-polymerization.

Physical properties in accordance with ISO 4049

Flexural strength	120 MPa
Modules of elasticity	9 400 MPa
Water absorption	19,3 $\mu\text{g}/\text{mm}^3$
Water solubility	<1 $\mu\text{g}/\text{mm}^3$
Radio pacity	300% Al
Depth of cure	> 2 mm
Pressure strength	320 MPa
Vickers hardness	670 MPa

Shelf life

Storage at room temperature 4 years





Ardent Latit Flow

Product description

Ardent Latit Flow is a light curing, smoothly glass filled, esthetic resin material for minimal invasive dentistry restorations. It is derived from the chemistry of Ardent Latitude and Meridian, which ensures complete compatibility between the products.

Clinical indications

- Anterior restorations (Classes III, IV).
- Class V restorations (cervical caries, root erosion, wedge-shaped defects).
- Adhesive luting of porcelain and composite veneers.
- Posterior restorations (Class I).
- Splinting of mobile teeth.
- Preventive resin restoration in molars and premolars.
- Extended fissure sealing.
- Repair of composite and ceramic veneers.
- As the first layer of Class I or II restorations.

Features and benefits

- Beautiful flow characteristic/Flow on demand.
- High physical properties.
- Outstanding wetting properties.
- Excellent polishability, very fine particle-fillers.
- Excellent esthetics, high translucency.
- Longer working time due to reduced sensitivity to ambient light.
- Low shrinkage and shrinkage stress.
- High durability.

- High curing depth.
- Same chemistry as Latitude and Meridian.
- Follows the Vita scale.
- Contains Fluoride glass.

Physical properties in accordance with ISO 4049

Flexural strength	146 MPa
Modulus of elasticity	7 480 MPa
Water absorption	22 $\mu\text{g}/\text{mm}^3$
Water solubility	<1 $\mu\text{g}/\text{mm}^3$
Radiopacity	170% Al
Depth of cure	>6 mm
Compressive strength	310 MPa
Vickers hardness	440 MPa
Transparency	23%

Shelf life

Storage at room temperature 4 years



Latit Flow Syringe 2x2 g syringes
Shade A1, A2, A3, A3,5





Ex-Bond 1x5 ml in bottle



Ardent Ex-Bond

Product description

Ardent Ex-Bond is a filled, light-curing, single-component bonding agent for enamel and dentin bonding in conjunction with the total etch technique.

Clinical indications

- Adhesive for direct, light-curing composite and compomer restorations.
- Adhesive for light initiated resin cements used in conjunction with indirect all-ceramic and composite restorations (veneers, inlays, onlays; only lightcuring materials).

Features and benefits

- Fast, easy and simple.
- One application only.
- No intermediate bonding steps required.
- No separate polymerisation required - cures with the composite.
- Extremely quick and time saving - 30 s for the whole application.
- Works on moist, dry or even dehydrated dentin.
- Good visibility of the surface layer.
- Excellent surface coverage.
- Water/Ethanol base.
- Contains fluoride - protects margin from demineralization.

Physical properties in accordance with ISO 4049

Shear bond strength Enamel	25 MPa
Shear bond strength Dentin	23,5 MPa

Shelf life

Storage at room temp	2 years
----------------------	---------





Ardent Etch'N'Bond Duo

Product description

Ardent Etch'N'Bond Duo is a light-curing, two-component agent for use in the adhesive restorative technique in combination with light-curing composites and compomers. Etch'N'Bond Duo Primer (liquid 1) consists of dimethacrylate, acidic acrylates containing phosphorus, initiators, stabilizers and water. Etch'N'Bond Duo Bonding Agent (liquid 2) consists of HEMA, dimethacrylates, silicon dioxide, initiators and stabilizers.

Clinical indications

- Direct light-cured composite and compomer restorations in Class I to V cavities.
- After light-curing of the Etch'N'Bond Duo bonding agent, the adhesive is suitable for core build-ups with dual or self-curing composites (e.g. Permacore).

Features and benefits

- Time-saving application, as no etching procedure is required.
- Cost-effectiveness – sufficient for approx. 150 applications.
- The colour-coded bottles and application wells ensure safe and easy handling.
- Very high bond strengths.
- Technique tolerance – Etch'N'Bond Duo is tolerant of different conditions on the dentin surface.

- Reduction of post-operative sensitivity as the demineralization of the tooth surface and the infiltration of the demineralized areas with monomers take place simultaneously.

Physical properties in accordance with ISO 4049

Shear bond strength	
Enamel	>25 MPa
Shear bond strength	
Dentin	>25 MPa

Shelf life

Storage at room temp 2 years



Etch 'N' Bond Primer 1x5 ml and Etch 'N' Bond Bonding 1x5 ml





Ardent Etch'N'Bond One

Product description

Ardent Etch'N'Bond One is a light-curing, single-component, self-etching bonding agent for use in the adhesive restorative technique in combination with light-curing composites and compomers. Etch'N'Bond One consists of mono- and bifunctional amide derivatives of methacrylic- and acrylic acid comprising phosphate, carboxylic and hydroxyalkyl moieties, water, dispersed silicon dioxide, initiators and stabilizers.

Clinical indications

- Establishment of a sound bond on ground enamel and dentin surfaces in direct restorative procedures with light-curing composites and compomers.

Features and benefits

- Easy and time-saving application.
- Only one single layer to establish a long lasting bond.
- Long-lasting bond to enamel and dentin.
- Fluoride release.
- Low ph 1.4.

Physical properties in accordance with ISO 4049

Bonding shear strength	
Enamel	-23,5 MPa
Dentin	-25,0 MPa

Shelf life

Storage at 2-8° C/36-46°F 2 years



Etch'N'Bond One 1x5 ml self etching dental adhesive





Ardent Streamline

Product description

Ardent Streamline is a 37% phosphoric acid gel for the enamel etch or total etch techniques.

Clinical indications

Streamline is used in the enamel etch or total etch techniques for the following indications:

- Composites restorations.
- Adhesive cementation of inlays (composite and all-ceramic), crowns, bridges, veneers, adhesive bridges and root posts.
- Splints.
- Bonding of orthodontic attachments (e.g. brackets).
- Fissure sealings.

Features and benefits

- Micromechanical retention of adhesives and bonding agents with the etched enamel and conditioned dentin.
- Creates an optimum marginal seal between the tooth and the composite, fissure sealant (60s) or indirect restoration.
- Coloured blue, for easy identification and removal of the material.
- Big, rectangle-shaped fingerrest for easy application and placement of the syringe on the treatment tray.

Shelf life

Storage at room temperature 2 years



Streamline



Luer lock syringe containing 2 g Streamline with large fingerrest.
Streamline Syringe 3x2 g
Streamline Syringe 20x2 g
Tips



Streamline Syringe Jumbo 30 g
Streamline Syringe 2x2 g
Tips



Ardent Tempprofil

Product description

Ardent Tempprofil is a light curing material for temporary restorations. Tempprofil cures to a highly elastic state. As a result, it is especially suitable for deep inlay preparations with parallel walls and for sealing of implant screw holes.

Clinical indications

- Provisional restoration of inlay/onlay cavities for a short period.

Features and benefits

- Especially suitable for deep inlay preparations with parallel walls. Can also be used if small undecuts are present.
- Can also be used as a relining material for prefabricated temporary crowns and bridges made of polycarbonate or methacrylate.
- May be used for the temporary sealing of implant screw access openings.
- Is especially suitable for large preparations (onlays).
- Ductile, single component material.
- Easy, time-saving operation.
- Elasticity after curing.
- Controlled water absorption.
- Tight marginal seal.
- Easy removal in one piece.
- Not requiring the use of temporary cement.

Physical properties in accordance with ISO 4049

Depth of cure	2.5 mm
Shore D-Hardness	33 ± 2 MPa
Water absorption after 24 h H ₂ O 37°C	1.82 ± 0.3%
Water solubility after 24 h H ₂ O 37°C	0.82 ± 0.2%

Shelf life

Storage at room temperature 4 years



Tempprofil Syringe 3x2,5 g





Ardent Temprobridge

Product description

Ardent Temprobridge is an automatically mixed two component material (10:1) in cartridges based on multifunctional methacrylic esters. The temporary material is a very easy and comfortable material for creating temporary crowns, bridges, inlays or onlays.

Clinical indications

- A temporary crown and bridge material for fabrication inlays, onlay, crowns, bridges.

Features and benefits

- Provisional crown and bridge material on a composite base.
- Easy to use, automix delivery system, easy mixing and accurate dispensing is ensured and cross-contamination is avoided.
- It can be smoothed and polished to an excellent level.
- Self-curing material.
- Low polymerization shrinkage.
- Low water absorption.
- Easy to characterize or repair.
- High mechanical strength.
- High stability.

Physical properties in accordance with ISO 4049

Working time (23° C)	60 sec
Setting time (37° C)	75 sec
Flexural strength	75 - 95 MPa

Shelf life

Storage at room temperature 2 years



Temprobridge automix Syringe 80 g
Universal shade (approx. A2)





Ardent Composite Instrument

- Ultra-light, ergonomic and matt finish hollow handle for fatigue-free anti-glare wracking.
- Extremely hard and scratch-proof surface.
- Dark-blue working tip for perfect contrast to the filling material.
- Non-stick for all composites.
- Biocompatible.
- Autoclavable.
- Thermodisinfectable.
- Titanium oxide coating.
- Nano crystalline surface structure in the Plasma PVD (Physical Vapour Deposition) process.
- Superhydrophobe (lotus effect).



Ardent Polishing Set

The Ardent Polishing system offers effective and efficient finishing of all composites and ceramics in just 2 steps. These high performance diamond grinders and polishers eliminate the need for a pre-polishing step.



Synthetic rubber latex free polishers with diamond grit.

Two step polishing system for:

- Composites
- Ceramic
- Compomer
- Glassionomer

Benefits

- Less time required for finishing and polishing
- Eliminates the need for glazing
- No heat build-up or grooving
- Prevents formation of micro cracks
- Will not leave any scratches
- High lustre polishing and smoothing

Safety recommendation

For patient and user safety the polisher must be operated at the correct speed. The Speed can effect the polished surface. Always use a face mask (over the month and Nose), safety glasses and a dust extractor to prevent inhaling dust from the polisher restoration.



Ardent GIC Filling Plus

Product description

Ardent GIC Plus is a glass ionomer restorative material with chemical adhesion to enamel and dentine. Continuous fluoride release provides against secondary caries.

Clinical indications

- Class III fillings
- Fillings of caries lesions
- Repair of V-shaped defects and cervical enamel erosions
- Restoration of deciduous teeth
- Prevents secondary caries

Features and benefits

- Good marginal adaptation
- High Radiopacity
- Continuously high fluoride release
- Exquisite aesthetics restoration
- Tooth-like translucency
- High chemical adhesion to dentine and enamel for durable fillings
- To be offered in A2 and A3 shade

Delivery form

Ardent GIC Plus Kit A2 (15g+10ml)	15022001
Ardent GIC Plus Kit A3 (15g+10ml)	15021414
Ardent GIC Plus Refill Powder A2 (15g)	14322753
Ardent GIC Plus Refill Powder A3 (15g)	15061415
Ardent GIC Refill Plus Liquid (10ml)	15061411

Physical properties in accordance with ISO 9917

Compressive strength	160MPa
Water solubility	0,40%
Shear Bond strength	6,0 MPa
Radiopacity	> 210% AL
Working time	3 min.
Intraoral setting time	5 min.

Shelf life

Storage at room temperature 5 years



Ardent GIC Filling Plus Kit 15 g and 10 ml



Ardent GIC Filling Plus Refill Liquid 10 ml



GIC Filling Plus



Ardent GIC Filling Plus Refill Powder 15 g and Liquid 10 ml



Ardent GIC Filling Molar

Product description

Ardent GIC Molar is a glass ionomer material for fillings with chemical adhesion to enamel and dentine and continuously high release of fluoride ions provides against secondary caries.

Clinical indications

- Repair of V-shaped defects and cervical enamel erosions
- Long-term temporaries for class I and II cavities
- Restoration of deciduous teeth
- Restoration of non occlusion-bearing class I cavities
- Core build-up

Features and benefits

- Non-sticky
- Continuous high fluoride release
- Radiopaque
- Biocompatible
- Tooth-like aesthetic translucency
- High abrasion resistance, compressive and transverse strength
- To be offered in A2 and A3 shade

Delivery form

Ardent GIC Molar Kit A2 (15g+10ml)	15021422
Ardent GIC Molar Kit A3 (15g+10ml)	15021413
Ardent GIC Molar Refill Powder A2 (15g)	14322751
Ardent GIC Molar Refill Powder A3 (15g)	15061413
Ardent GIC refill Molar Liquid (10ml)	15041212

Physical properties in accordance with ISO 9917

3 point flexural strength (ISO 4049)	45 MPa
Compressive strength	230 MPa
Diametral tensile strength	15 MPa
Radiopacity	260% AL
Working time	2 Min.
Intraoral setting time	4 min.

Shelf life

Storage at room temperature 5 years



GIC Filling Molar



Ardent GIC Filling Molar Kit 15 g and 10 ml



Ardent GIC Filling Molar Refill Powder 15 g and Liquid 10 ml



Ardent GIC Filling Molar Refill Powder 15 g



Ardent GIC Luting

Product description

Ardent GIC Luting is a glass ionomer cement with outstanding features include low solubility in the mouth and low acidity. This low Film thickness ensures a high accuracy of fitting crowns, bridges, post and orthodontic bands

Clinical indications

Luting of crowns, inlays, onlays, bridges, pins, posts and orthodontic bands

Features and benefits

- Low solubility in the mouth
- Low acidity
- Biocompatible
- Easy application
- Good flow ability
- Pulp friendly

Delivery form

Ardent GIC Luting will come in two delivery forms:

15g powder & 10ml Liquid

Ardent GIC Luting Kit (15g+10ml)	150021001
Ardent GIC Luting Refill Powder (15g)	15021412
Ardent GIC Luting Refill Liquid (10ml)	15061412

35g powder & 15ml liquid

Ardent GIC Luting Kit (35g+15ml)	11180350
Ardent GIC Luting Refill Powder 35g	11180250
Ardent GIC Luting Refill Liquid 15ml	11180150

Physical properties in accordance with ISO 9917

Compressive strength	120MPa
Water solubility	0,5-0,8%
Shear Bond strength	6-7 MPa
Film thickness	15 µm
Working time	3 min.
Intraoral setting time	6-7 min.

Shelf life

Storage at room temperature 5 years



Ardent GIC Luting Kit 15 g and 7 ml



Ardent GIC Luting Refill Powder 15 g and Liquid 7 ml



Ardent GIC Luting Refill Liquid 15 ml and Powder 35 g





Ardent Futura

Product description

Ardent Futura is a high copper non gamma-2 amalgam alloy based on a mixture of irregular atomized and lathe cut particles, especially designed for outstanding corrosion resistance and lowest creep value.

Clinical indications

- Stress-bearing occlusal restorations in the posterior area (class I and II).

Features and benefits

- Excellent handling qualities.
- Easy to insert, condense and polish to silver glance.
- Lowest condensing force combined with firm consistency.
- Excellent physical properties.
- Lowest creep value and setting expansion for high dimensional stability.
- Very high and early compressive strength for early loading.
- Very high corrosion resistance.

Delivery forms

- Standard package of 50 capsules Ardent Futura in one, two or three spill.
- Multipackage of 500 capsules Ardent Futura in one, two or three spill.
- Package of 30 g Ardent Futura alloy powder in plastic bottle.
- Package of 50 g Ardent Futura alloy powder in plastic bottle.
- Package of 100 g Ardent Futura alloy powder in plastic bottle.
- Package of 250 g Ardent Futura alloy powder in plastic bottle.

Physical properties in accordance with ISO 4049

Compressivel strength 1 h:	210 MPa
Compressivel strength 24 h:	530 MPa
Static creep:	0,05%
Dimensional change:	+0,02%
Working time:	~ 4 min



- Standard package of 50 capsules Ardent Futura in one, two or three spill.
- Multipackage of 500 capsules Ardent Futura in one, two or three spill.
- Package of 30 g Ardent Futura alloy powder in plastic bottle.
- Package of 50 g Ardent Futura alloy powder in plastic bottle.
- Package of 100 g Ardent Futura alloy powder in plastic bottle.
- Package of 250 g Ardent Futura alloy powder in plastic bottle.





Ardent NG-2 70

Product description

Ardent NG-2 70 is a dispersed phased non gamma-2 amalgam alloy with high silver content, especially designed for outstanding marginal integrity.

Clinical indications

Stress-bearing occlusal restorations in the posterior area (class I and II).

Features and benefits

- Excellent handling qualities.
- Easy to insert, condense and polish.
- Excellent marginal stability.
- Excellent physical properties.
- Low creep value and setting expansion.
- High compressive strength.
- High corrosion resistance.

Delivery forms

- Standard package of 50 capsules Ardent NG-2 70 in one, two or three spill.
- Multipackage of 500 capsules Ardent NG-2 70 in one, two or three spill.
- Package of 30 g Ardent NG-2 70 alloy powder in plastic bottle.
- Package of 50 Ardent NG-2 70 alloy powder in plastic bottle.
- Package of 100 g Ardent NG-2 70 alloy powder in plastic bottle.
- Package of 250 g Ardent NG-2 70 alloy powder in plastic bottle.

Physical properties in accordance with ISO 4049

Compressivel strength 1 h:	190 MPa
Compressivel strength 24 h:	510 MPa
Static creep:	0,1%
Dimensional change:	+0,03%
Working time:	~4 min



ARDENT

AB Ardent is a dental manufacturing company based in Sweden. We are focused on the development of restorative filling materials such as light curing composites for aesthetic restorations, amalgam alloys and accessories.

AB Ardent incorporates all necessary functions - R&D, manufacturing, regulatory affairs, marketing and sales - enabling the support of our customers with all services expected from a professional company, leading in its field. We supply our products to dental distributors in more than 70 countries worldwide and in turn to end users, both under our own brand or as private label.

Our mission is to provide the latest technology in material manufacturing in accordance with the highest standards and to distribute these materials at competitive prices. We simply want to provide our customers with the best value for money!

We have more than 50 years experience in the development of high quality filling material and service for dentists worldwide while continuously focusing on high standards and advanced technology.



facebook.com/ABardent

AB Ardent, Generatorgatan 8, SE-195 60 Arlandastad, Sweden
Phone +46 8 594 412 50, Fax +46 8 591 161 83
www.ardent.se • E-mail: ardent@ardent.se

A stylized logo for ARDENT, where the letters are outlined in red and filled with white, giving it a 3D or embossed appearance.