

# 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% AI
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 compability 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 sensivity 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
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# 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



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

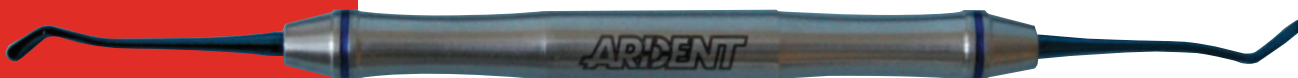


Streamline Syringe Jumbo 30 g  
Streamline Syringe 2x2 g  
Tips



## Ardent Composite Instrument

- Ultra-light, ergonomic and matt finish hollow handle for fatigue-free and 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.
- Thermodisinfected.
- Titanium oxide coating.
- Nano crystalline surface structure in the Plasma PVD (Physical Vapour Deposition) process.
- Superhydrophobic (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 mouth and Nose), safety glasses and a dust extractor to prevent inhaling dust from the polisher restoration.



# 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.



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**ARDENT**