Create BRIGHT smiles

Product Catalogue

DMP Dental Industry S.A.

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Manufacturer of High Quality Dental Materials
High Quality Dental Materials

Table of Impression Techniques

A-Silicone BonaSiletz
B-Silicone Bonasil Light
C-Silicone Bonasil

Table of Indications

LC Nano-Diameter Composite Noceram-Bright
LC Posterior Composite Bright Posterior
LC Micro-Polymer Composite Bright Light
LC Flowable Composite Noceram-Bright Flow
LC Flowable Composite Bright Light Flow
LC Flowable Composite Bright Light Flow
DC Flow Core Build-Up Bright Flow Core
CC Hybrid Composite Bright Light Hybrid
LC Pit Fissure Sealer
AC Temporary Bright Temporary C B

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DMP is a leading manufacturer of high-quality dental materials for the global dental market, committed to clinical excellence, reliability and personalized customer service.

Established in 1985, DMP has over 30 years of experience in the design, development, manufacture and distribution of high-quality dental materials. It specializes in three main product groups providing these either with its own brand or as private label. The largest group of products are the precision silicone impression materials both for the dentist and the dental laboratory. The latest additions to this group are the scannable silicones which are suitable for use with all 3D scanning systems for digital dentistry without requiring any additional surface treatment. The second major group of products are the composites for aesthetic dentistry including bonding and etching materials. They are primarily resin-based materials and are available in light, self or dual cure varieties. The last group is the amalgams which were launched with the establishment of DMP and consist of various types for every need. These products have evolved and grown over the years meeting customer needs and the latest developments in the dental industry. Today DMP successfully markets its products worldwide and has established DMP USA to provide specialized service for its fast-growing presence in the North American market.

The privately-owned headquarters are situated in Athens, Greece and specifically in the industrial zone of Markopoulo which is 10 minutes from Athens international airport and 30 minutes from the international port of Piraeus. Their location is ideally suited for welcoming visitors as well as for the shipment of goods by all modes of transport all over the world.

The modern premises have been designed from their conception specifically for DMP, with the particular needs of each product line in mind. Years of experience in production have led to the smallest details in manufacturing being considered and designed in the best possible way, with the finest raw materials incorporated to produce premium products. Its state-of-the-art laboratory is fully equipped with all the modern instruments to support its strict quality control in production, test requirements for the international standards as well as its continuous research program. Above all it is staffed by high-level professionals with excellent training in each specialized field. All the above guarantee DMP’s commitment to products and services of the highest level.
Certifications

Quality assurance is foremost in all areas of operation and DMP is certified with the quality systems ISO 9001 and ISO 13485. All of its products are categorized as medical devices and are CE marked according to the current certifications and they have received clearance by the U.S. Food and Drug Administration. Additionally, support for regional regulatory requirements is provided by the regulatory affairs department.

First class service

DMP aims to create bright smiles and to provide the highest level of satisfaction, by closely cooperating with its customers and maintaining a high degree of flexibility for individual market needs. DMP successfully supplies the dental market worldwide achieving top quality and reliability through integrity, passion and commitment which are ingrained in DMP’s culture.

CHROMATCHER

Shade guide at your fingertips!

DMP enhances its digital product range by presenting the first ever mobile shade guide application, Chromatcher.

This unique app offers the user (dentist or technician) the ability to accomplish the restoration effortlessly. The Chromatcher is used to determine the tooth shade of the patient by taking a photo of the desired tooth area and matching it with DMP’s shade system for restorative materials. Therefore, the user knows the required shade immediately through the Chromatcher avoiding the use of conventional shade guides. This process applies for all aesthetic restorations with DMP’s restorative materials.

Download Chromatcher now, free at Apple Store! (available for iPhone, iPad & iPod touch)
## SILICONE IMPRESSION MATERIALS

### A - Silicons

<table>
<thead>
<tr>
<th>Product</th>
<th>Delivery System</th>
<th>Technique</th>
<th>Type</th>
<th>Indications</th>
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<td>Single step</td>
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<td>Bonascan Mono</td>
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<td>Single step</td>
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<td>Bonasil A' Regular</td>
<td>One step wash</td>
<td>Single step</td>
<td></td>
<td>✓</td>
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<td>Bonasil A' Light HTS</td>
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<td>Single step</td>
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<td>Bonasil A' Light</td>
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<td>Single step</td>
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<td>✓</td>
</tr>
<tr>
<td>Bonascan Light</td>
<td>One step wash</td>
<td>Single step</td>
<td></td>
<td>✓</td>
</tr>
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<td>Bonasil A' Light Extra</td>
<td>One step wash</td>
<td>Single step</td>
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<td>Bonasil A' Aliginate Free</td>
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<td>Single step</td>
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<td>Bite registrations</td>
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<td>Bona-Bite Air</td>
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<td>Bonascan Bite Air</td>
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<td>Bite registrations</td>
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<td>Bona-Bite Crystal Vision</td>
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### C - Silicons

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<th>Type</th>
<th>Indications</th>
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<td>Bonasil Putty</td>
<td>One step putty/wash</td>
<td>Two step putty/wash</td>
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<td>✓</td>
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<tr>
<td>Bonasil Light</td>
<td>One step putty/wash</td>
<td>Two step putty/wash</td>
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<td>✓</td>
</tr>
</tbody>
</table>

### Tray Material
- Cartridge 5:1
- Cartridge 1:1

### Wash Material
- Jar
- Tube

### Monophase
- Tube
A-SILICONE
BONASIL A+

BONASIL A+ is an addition curing vinyl polysiloxane silicone impression system (VPS) used to create impressions of the highest detail reproduction. The products are characterized by their hydrophilic properties, remarkable tear strength, dimensional accuracy and excellent resistance to permanent deformation.

Bonasil A+ impression materials are offered in various viscosities and delivery systems, in fast and regular setting times to cover any technique and application.

Reliability and exceptional properties place the Bonasil A+ materials amongst the top products in the world market. The quality control of DMP guarantees delivery of end product at its highest level while continuous research and development ensures enrichment and development of the impression material range.

BONASIL A+ Putty

BONASIL A+ Putty is a kneadable very high viscosity vinyl polysiloxane (VPS) preliminary impression material formulated to guide the flowable Bonasil A+ wash materials highly accurately to the surfaces that are clinically important. It is also available in the 380ml (5:1) cartridge for those who prefer automatic dispensing over manual kneading.

ISO 4823 / ADA 19, Type 0 - putty consistency

Technical Data

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Two step putty/wash technique</th>
<th>One step putty/wash technique</th>
<th>Functional peripheries</th>
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</thead>
<tbody>
<tr>
<td>Shelf life, min.</td>
<td>1’00”</td>
<td>2’00”</td>
<td>2’30”</td>
</tr>
<tr>
<td>Setting time, min.</td>
<td>1’30”</td>
<td>3’00”</td>
<td>4’30”</td>
</tr>
<tr>
<td>Shore A hardness, Shore A</td>
<td>Fast</td>
<td>Regular</td>
<td>-</td>
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<tr>
<td>Strain in compression (%)</td>
<td>1 - 3</td>
<td>&gt;99.0</td>
<td>&lt;0.2</td>
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<tr>
<td>Linear dimensional change (%)</td>
<td>&lt;0.2</td>
<td>&gt;6.0</td>
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<td>Tear strength (N/mm)</td>
<td>&gt;6.0</td>
<td>&gt;6.0</td>
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<tr>
<td>Colour</td>
<td>Orange</td>
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<td></td>
</tr>
</tbody>
</table>

Characteristics - Advantages

- Ideal working time/setting time ratio
- Excellent consistency
- Exceptional dimensional stability
- Excellent elastic properties (high elastic memory)
- Remarkable tear strength
- Non-sticky

Indications

- Crown/bridge work
- Inlays, onlays

Item No. | Product Description
---------|----------------------------------
210101800 | BONASIL A+ Putty
210101800F | Putty base 400g, Putty catalyst 400g, scoops-RS
210101380 | Cartridge 380ml, mixers, o-ring
210101030 | Cartridge 380ml x 2, o-ring
A-SILICONE
BONASIL A⁺ Heavy

BONASIL A⁺ Heavy is a high viscosity vinyl polysiloxane (VPS) preliminary impression material with excellent carving properties. The advanced surface technology (extra hydrophilic) along with the exceptional thixotropic characteristics makes Bonasil A⁺ Heavy an ideal impression tool in the hands of all dentists and especially the implantologists.

ISO 4823 / ADA 19, Type 1 – heavy bodied consistency

### Indications
- Single step impression technique
- Double step impression technique
- Crown/bridge work
- Inlay and onlay impressions
- Functional impressions

### Technical Data
- **Ratio (base: catalyst)**: 1:1, 1.1, 1.1, 5:1
- **Total working time**: 1’00” – 2’00” – 1’30”
- **Time in mouth**: 2’00” – 2’30” – 3’00”
- **Total setting time**: 3’00” – 4’30” – 4’30”
- **Setting description**: Fast – Regular –
- **Shore A hardness**: 75
- **Strain in compression (%)**: 3 – 5
- **Recovery from deformation (%)**: >99.5
- **Linear dimensional change (%)**: <0.2
- **Tear strength (N/mm)**: >6.0
- **Colour**: Yellow

### Characteristics - Advantages
- Ideal working time/setting time ratio
- Thixotropic
- Exceptional dimensional stability
- Excellent elastic properties
- Remarkable tear strength
- Extra hydrophilic
- Void free
- Non-sticky

### Item No. | Product Description
--- | ---
210107380 | Cartridge 380ml, mixers, o-ring
210107030 | Cartridge 380ml x 2, o-ring
210107010 | Cartridge 50ml x 2, mixing tips-RS
210107010F | Cartridge 50ml x 2, mixing tips-FS
210107020 | Cartridge 50ml x 4-RS
210107020F | Cartridge 50ml x 4-FS

A-SILICONE
BONASIL A⁺ Mono

BONASIL A⁺ Mono is a medium viscosity vinyl polysiloxane (VPS) impression material ideal for single impressions with the monophase technique. Its high elastic recovery in combination with its extra hydrophilicity ensures maximum accuracy for the impression.

ISO 4823 / ADA 19, Type 2 – medium bodied consistency

### Indications
- Single step impression technique
- Double step impression technique
- Crown/bridge work
- Inlay and onlay impressions
- Functional impressions

### Technical Data
- **Ratio (base: catalyst)**: 1:1, 1:1, 5:1
- **Total working time**: 1’00” – 2’00” – 1’30”
- **Time in mouth**: 2’00” – 2’30” – 3’00”
- **Total setting time**: 3’00” – 4’30” – 4’30”
- **Setting description**: Fast – Regular –
- **Shore A hardness**: 60
- **Strain in compression (%)**: 3 – 5
- **Recovery from deformation (%)**: >99.5
- **Linear dimensional change (%)**: <0.2
- **Tear strength (N/mm)**: >6.0
- **Colour**: Purple

### Characteristics - Advantages
- Ideal working time/setting time ratio
- Highly Thixotropic
- Ideal consistency for monophase technique
- Exceptional dimensional stability
- Excellent elastic properties
- Remarkable tear strength
- Extra hydrophilic
- Void free
- Non-sticky

### Item No. | Product Description
--- | ---
210107380 | Cartridge 380ml, mixers, o-ring
210104030 | Cartridge 380ml x 2, o-ring
210103100 | Cartridge 50ml x 2, mixing tips-RS
210103100F | Cartridge 50ml x 2, mixing tips-FS
210103200 | Cartridge 50ml x 4-RS
210103200F | Cartridge 50ml x 4-FS
A-SILICONE
BONASIL A+ Regular

BONASIL A+ Regular is a medium viscosity vinyl polysiloxane (VPS) impression material exhibiting high thixotropy and excellent hydrophilic properties. Bonasil A+ Regular is ideal for use in the two-step impression technique in combination with Bonasil A+ Putty or Bonasil A+ Heavy.

ISO 4823 / ADA 19, Type 2 – medium bodied consistency

Indications
Single step impression technique
Double step impression technique
Crown/bridge work
Inlay and onlay impressions
Reline impressions

Characteristics - Advantages
• Ideal working time/setting time ratio
• Highly Thixotropic
• Ideal consistency
• Exceptional dimensional stability
• Excellent elastic properties
• Remarkable tear strength
• Extra hydrophilic
• Void free
• Non-sticky

Technical Data

| Total working time | 1'00" | 2'00" |
| Time in mouth     | 2'00" | 2'30" |
| Total setting time | 3'00" | 4'30" |
| Setting description | Fast | Regular |
| Shore A hardness  | 55    |
| Strain in compression (%) | 3 - 5 |
| Recovery from deformation (%) | >99.7 |
| Linear dimensional change (%) | <0.2 |
| Tear strength (N/mm) | >5.0  |
| Colour              | Turquoise |

Item No. | Product Description
-------- | ----------------------------------------
210105010 | BONASIL A+ Regular Cartridge 50ml x 2, mixing tips-RS
210105010F | Cartridge 50ml x 2, mixing tips-FS
210105020 | Cartridge 50ml x 4-RS
210105020F | Cartridge 50ml x 4-FS

A-SILICONE
BONASIL A+ Light HTS

BONASIL A+ Light HTS is a low viscosity vinyl polysiloxane (VPS) impression material with exceptional characteristics. Its highly accurate impressions are a result of its superior wetability due to its extra hydrophilic properties. The extremely high tear strength values show resistance to tear guaranteeing superior impressions upon removal from the mouth.

ISO 4823 / ADA 19, Type 3 – light bodied consistency

Indications
Two step putty/wash technique
One step putty/wash technique
Crown/bridge work
Inlay and onlay impressions
Reline impressions

Characteristics - Advantages
• Exceptional tear strength
• Extra hydrophilic
• Outstanding precision in detail reproduction
• Highly Thixotropic
• Ideal consistency
• Exceptional dimensional stability
• Excellent elastic properties
• Void free
• Non-sticky

Technical Data

| Total working time | 1'15" | 2'00" |
| Time in mouth     | 2'45" | 4'00" |
| Total setting time | 4'00" | 6'00" |
| Setting description | Fast | Regular |
| Shore A hardness  | 62    |
| Strain in compression (%) | 3 - 5 |
| Recovery from deformation (%) | >99.9 |
| Linear dimensional change (%) | <0.2 |
| Tear strength (N/mm) | >5.0  |
| Colour              | Green |

Item No. | Product Description
-------- | ----------------------------------------
210112010 | BONASIL A+ Light HTS Cartridge 50ml x 2, mixing tips-RS
210112010F | Cartridge 50ml x 2, mixing tips-FS
210112020 | Cartridge 50ml x 4-RS
210112020F | Cartridge 50ml x 4-FS
**A-SILICONE**

**BONASIL A+ Light**  

BONASIL A+ Light is a low viscosity vinyl polysiloxane (VPS) correction impression material with optimized thixotropy to ensure easy handling. Its exceptional elastic recovery and dimensional change together with its extra hydrophilic properties are essential characteristics which provide high accuracy in impressions.

ISO 4823 / ADA 19, Type 3 – light bodied consistency

<table>
<thead>
<tr>
<th>Indications</th>
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<td>Crown/bridge work</td>
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<tr>
<td>Inlay and onlay impressions</td>
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<tr>
<td>Reline impressions</td>
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</table>

**Characteristics - Advantages**

- Outstanding precision in detail reproduction
- Ideal working/setting time ratio
- Highly thixotropic
- Ideal consistency
- Exceptional dimensional stability
- Excellent elastic properties
- Very high tear strength
- Extra hydrophilic
- Void free
- Non-sticky

<table>
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**Indications**

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<td>210102020</td>
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<td>210102020F</td>
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**BONASIL A+ Light Extra**

BONASIL A+ Light Extra is an extra low viscosity vinyl polysiloxane (VPS) correction impression material with optimized thixotropy to ensure easy handling. Its exceptional elastic recovery and dimensional change together with its extra hydrophilic properties are essential characteristics which provide high accuracy in impressions.

ISO 4823 / ADA 19, Type 3 – light bodied consistency

<table>
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<td>Crown/bridge work</td>
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<td>Inlay and onlay impressions</td>
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<td>Reline impressions</td>
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**Characteristics - Advantages**

- Outstanding precision in detail reproduction
- Ideal working/setting time ratio
- Highly thixotropic
- Ideal consistency
- Exceptional dimensional stability
- Excellent elastic properties
- Very high tear strength
- Extra hydrophilic
- Void free
- Non-sticky

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**Indications**

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A-SILICONE
BONASIL A⁺ Alginate Free

BONASIL A⁺ Alginate Free is a medium viscosity vinyl polysiloxane (VPS) impression material suitable for all alginate applications. The innovative A-Silicone Bonasil A⁺ Alginate Free combines the assets of VPS materials such as exceptional detail reproduction, elastic recovery, and dimensional stability with the properties of traditional alginates. It is also ideal for creating temporary crown and bridge impressions in preparation for the use of Bright Temporary C&B.

ISO 4823 / ADA 19, Type 2 – medium bodied consistency

**Technical Data**

<table>
<thead>
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<th>Item No.</th>
<th>Product Description</th>
<th>Ratio (base: catalyst)</th>
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<th>Time in mouth</th>
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<th>Colour</th>
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<tbody>
<tr>
<td>210109380</td>
<td>Bonasil A⁺ Alginate Free Cartridge 380ml, mixers, o-ring</td>
<td>1:1</td>
<td>1'00&quot; 1'30&quot;</td>
<td>2'00&quot; 3'00&quot;</td>
<td>3'00&quot; 4'30&quot;</td>
<td>45</td>
<td>3 - 5</td>
<td>&gt;99.5</td>
<td>&lt;0.2</td>
<td>&gt;4.5</td>
<td>Sky Blue</td>
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<tr>
<td>210109030</td>
<td>Bonasil A⁺ Alginate Free Cartridge 380ml x 2, o-ring</td>
<td>5:1</td>
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<tr>
<td>210109010</td>
<td>Bonasil A⁺ Alginate Free Cartridge 50ml x 2, mixing tips</td>
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<tr>
<td>210109020</td>
<td>Bonasil A⁺ Alginate Free Cartridge 50ml x 4</td>
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<td></td>
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</tbody>
</table>

**Indications**

Preliminary impressions  
Anatomic models  
Fabricating temporary crowns and bridges  
Opposing dentition  
Fabricating simple removable prosthetic restorations  
Orthodontic work  
Case study models

**Characteristics - Advantages**

- Outstanding dimensional stability  
- Exceptional elastic recovery  
- Highly thixotropic  
- Ideal consistency  
- Repourable  
- Long shelf life  
- Remarkable tear strength  
- Void free  
- Non sticky

A-SILICONE
BONA-BITE

BONA-BITE is a medium viscosity vinyl polysiloxane (VPS) material specifically for bite registrations with extremely high Shore A hardness. Bona-Bite has a fast intraoral setting time and retains enough flexibility for easy trimming or cutting. The outstanding handling characteristics are essential for an accurate occlusal registration at the first attempt.

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>Ratio (base: catalyst)</th>
<th>Total working time</th>
<th>Time in mouth</th>
<th>Total setting time</th>
<th>Shore A hardness</th>
<th>Linear dimensional change (%)</th>
<th>Tear strength (N/mm)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>210108010</td>
<td>Bona-Bite Cartridge 50ml x 2, mixing tips</td>
<td>1:1 5:1</td>
<td>30&quot;</td>
<td>45&quot;</td>
<td>1'15&quot;</td>
<td>93</td>
<td>&lt;0.1</td>
<td>&gt;6.0</td>
<td>Lavender</td>
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<tr>
<td>210108020</td>
<td>Bona-Bite Cartridge 50ml x 4</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Indications**

Making accurate occlusal registrations  
Standard bite registrations in the end bite position  
Key material for needle point registration  
Production of small model segments

**Characteristics - Advantages**

- Extremely high Shore A hardness  
- Highly thixotropic  
- Ideal consistency  
- Excellent dimensional stability  
- Remarkable tear strength  
- Outstanding resistance to elastic rebound  
- Void free  
- Non sticky
**A-SILICONE**

**BONA-BITE Air**

BONA-BITE Air is a medium viscosity vinyl polysiloxane (VPS) material for bite registrations which is characterized by its mousse-like consistency making it very light on extrusion. Due to its high thixotropy (non drip) it ensures accurate placement and enhanced patient comfort. It is available in three setting times and retains enough flexibility for easy trimming or cutting.

**Indications**
- Making accurate occlusal registrations
- Standard bite registrations in the end bite position
- Key material for needle point registration
- Production of small model segments

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210113010</td>
<td>BONA-BITE Air Cartridge 50ml x 2, mixing tips-SFS</td>
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<tr>
<td>210113010M</td>
<td>BONA-BITE Air Cartridge 50ml x 2, mixing tips-FS</td>
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<tr>
<td>210113010E</td>
<td>BONA-BITE Air Cartridge 50ml x 2, mixing tips-RS</td>
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<td>210113020</td>
<td>BONA-BITE Air Cartridge 50ml x 4-SFS</td>
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<tr>
<td>210113020M</td>
<td>BONA-BITE Air Cartridge 50ml x 4-FS</td>
</tr>
<tr>
<td>210113020E</td>
<td>BONA-BITE Air Cartridge 50ml x 4-RS</td>
</tr>
</tbody>
</table>

**Characteristics - Advantages**
- Mousse-like consistency
- Very high Shore A hardness
- Highly thixotropic
- Ideal consistency
- Excellent dimensional stability
- Remarkable tear strength
- Outstanding resistance to elastic rebound
- Void free
- Non sticky

---

**BONA-BITE Crystal Vision**

BONA-BITE Crystal Vision is a transparent vinyl polysiloxane (VPS) bite registration material with medium viscosity and is ideal for situations where a clear view of the area can optimize the accuracy of the impression. Its novel formulation produces highly transparent matrices through which the dentist can polymerize light-curing composites and, with this technique, greatly reduce the oxygen inhibition layer of the composite.

**Indications**
- Making transparent occlusal registrations
- Standard bite registrations in the end bite position
- Key material for needle point registration
- Production of small model segments
- Silicone guide for composite restorations

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210111010</td>
<td>BONA-BITE Crystal Vision Cartridge 50ml x 2, mixing tips</td>
</tr>
<tr>
<td>210111020</td>
<td>BONA-BITE Crystal Vision Cartridge 50ml x 4</td>
</tr>
</tbody>
</table>

**Characteristics - Advantages**
- Outstanding transparency
- Exceptional dimensional stability
- High final hardness
- Highly thixotropic
- Ideal consistency
- Very high tear strength
- Void free
- Non sticky
**SCANNABLE A-SILICONE BONASCAN**

**BONASCAN** is a digitally scannable VPS (vinyl polysiloxane) impression system giving the user additional options when taking impressions. These scannable A-Silicones, available in 50ml and where applicable in 380ml cartridges, are designed specifically for CAD/CAM technology and are compatible with all dental scanners. By using Bonascan the user takes advantage not only of the ease of traditional impression taking techniques but also of digital technology. The impression is directly scanned without additional surface treatment (no use of reflective sprays) resulting in excellent digital images without errors. In addition, areas that are difficult to capture with intraoral scanners are reproduced precisely and reliably with the Bonascan impression materials.

The dentist benefits from all the advantages of digital technology and does not need to invest in an intraoral scanner since Bonascan impressions can be used with a desktop scanner at a fraction of the cost. Therefore, the user has improved workflow through instant communication and collaboration with the dental lab and has the ability of immediate feedback for enhanced treatment planning. Moreover, a digital record for insurance and future reference is established.

**SCANNABLE A-SILICONE BONASCAN Putty**

**BONASCAN Putty** is a kneadable very high viscosity vinyl polysiloxane (VPS) preliminary impression material formulated to guide the flowable Bonascan wash materials highly accurately to the surfaces that are clinically important. It is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. It is also available in the 380ml (5:1) cartridge for those who prefer automatic dispensing over manual kneading.

ISO 4823 / ADA 19, Type 0 - putty consistency

**Indications**

- Two step putty/wash technique
- One step putty/wash technique
- Functional peripheries
- Crown/bridge work
- Inlays, onlays

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210124800</td>
<td>BONASCAN Putty, Putty base 400g, Putty catalyst 400g, scoops-RS</td>
</tr>
<tr>
<td>210124800F</td>
<td>BONASCAN Putty, Putty base 400g, Putty catalyst 400g, scoops-FS</td>
</tr>
<tr>
<td>210124380</td>
<td>Cartridge 380ml, mixers, o-ring</td>
</tr>
<tr>
<td>210124380</td>
<td>Cartridge 380ml x 2, o-ring</td>
</tr>
</tbody>
</table>

**Characteristics - Advantages**

- Optically optimized scans
- Highly precision images because of powder free direct scanning
- Traditional impression techniques
- Process optimization (elimination of model pouring)
- Careful and magnified evaluation of the impression
- Increased efficiency in the collaboration with the laboratory
- Immediate feedback from the laboratory or specialist

**Total working time**

- 1'00”
- 2'00”

**Setting description**

- Fast
- Regular

**Shore A hardness**

- 72

**Strain in compression (%)**

- 1 - 3

**Recovery from deformation (%)**

- >99.0

**Linear dimensional change (%)**

- <0.2

**Tear strength (N/mm)**

- >6.0

**Colour**

- Orange
SCANNABLE A-SILICONE

BONASCAN Heavy

BONASCAN Heavy is a scannable high viscosity vinyl polysiloxane (VPS) preliminary impression material with excellent carving properties. It is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. The advanced surface technology (extra hydrophilic) along with the exceptional thixotropic characteristics makes Bonscan Heavy an ideal impression tool in the hands of all dentists and especially the implantologists.

ISO 4823 / ADA No.19, Type 1 – heavy bodied consistency

Technical Data

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>Technical Data</th>
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<tbody>
<tr>
<td>210121380</td>
<td>BONASCAN Heavy</td>
<td>Ratio (base: catalyst) 1:1</td>
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<tr>
<td>210121030</td>
<td>Cartridge 380ml, mixers, o-ring</td>
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</tr>
<tr>
<td>210121010</td>
<td>Cartridge 380ml x 2, o-ring</td>
<td></td>
</tr>
<tr>
<td>210121010F</td>
<td>Cartridge 50ml x 2, mixing tips-RS</td>
<td></td>
</tr>
<tr>
<td>210121020</td>
<td>Cartridge 50ml x 4 – RS</td>
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</tr>
<tr>
<td>210121020F</td>
<td>Cartridge 50ml x 4 – FS</td>
<td></td>
</tr>
</tbody>
</table>

Indications

- Single step impression technique
- Double step impression technique
- Crown/bridge work
- Inlay and onlay impressions
- Functional impressions

Characteristics - Advantages

- Optically optimized scans
- Highly precision images because of powder free direct scanning
- Traditional impression techniques
- Process optimization (elimination of model pouring)
- Careful and magnified evaluation of the impression
- Increased efficiency in the collaboration with the laboratory
- Immediate feedback from the laboratory or specialist

BONASCAN Mono

BONASCAN Mono is a scannable medium viscosity vinyl polysiloxane (VPS) impression material especially designed for single impressions with the monophase technique. It is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. The high elastic recovery of Bonascan Mono in combination with its extra hydrophilicity ensures maximum accuracy for the impression.

ISO 4823 / ADA No.19, Type 2 – medium bodied consistency

Technical Data

<table>
<thead>
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<th>Item No.</th>
<th>Product Description</th>
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<td>BONASCAN Mono</td>
<td>Ratio (base: catalyst) 1:1</td>
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<td>210123100</td>
<td>Cartridge 380ml x 2, o-ring</td>
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</tr>
<tr>
<td>210123010</td>
<td>Cartridge 50ml x 2, mixing tips-RS</td>
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</tr>
<tr>
<td>210123010F</td>
<td>Cartridge 50ml x 2, mixing tips-FS</td>
<td></td>
</tr>
<tr>
<td>210123020</td>
<td>Cartridge 50ml x 4 – RS</td>
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</tr>
<tr>
<td>210123020F</td>
<td>Cartridge 50ml x 4 – FS</td>
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</tr>
</tbody>
</table>

Indications

- Single step impression technique
- Double step impression technique
- Crown/bridge work
- Inlay and onlay impressions
- Functional impressions

Characteristics - Advantages

- Optically optimized scans
- Highly precision images because of powder free direct scanning
- Traditional impression techniques
- Process optimization (elimination of model pouring)
- Careful and magnified evaluation of the impression
- Increased efficiency in the collaboration with the laboratory
- Immediate feedback from the laboratory or specialist

Item No. | Product Description | Technical Data |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>210123380</td>
<td>BONASCAN Mono</td>
<td>Ratio (base: catalyst) 1:1</td>
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<tr>
<td>210123030</td>
<td>Cartridge 380ml, mixers, o-ring</td>
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<tr>
<td>210123100</td>
<td>Cartridge 380ml x 2, o-ring</td>
<td></td>
</tr>
<tr>
<td>210123010</td>
<td>Cartridge 50ml x 2, mixing tips-RS</td>
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<tr>
<td>210123010F</td>
<td>Cartridge 50ml x 2, mixing tips-FS</td>
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<tr>
<td>210123020</td>
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<tr>
<td>210123020F</td>
<td>Cartridge 50ml x 4 – FS</td>
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</tbody>
</table>
**SCANNABLE A-SILICONE**

**BONASCAN Light**

*BONASCAN Light* is a scannable low viscosity vinyl polysiloxane (VPS) correction impression material and is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. The optimized thixotropy of Bonascan Light ensures easy handling. While its exceptional elastic recovery and dimensional change together with its extra hydrophilic properties are essential characteristics which provide high accuracy in impressions.

ISO 4823 / ADA No. 19, Type 3 – light bodied consistency

**Technical Data**

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<tr>
<td>210122020</td>
<td>Cartridge 50ml x 4-RS</td>
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<tr>
<td>210122020F</td>
<td>Cartridge 50ml x 4-FS</td>
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</tbody>
</table>

**Indications**

- Two step putty/wash technique
- One step putty/wash technique
- Crown/bridge work
- Inlay and onlay impressions
- Reline impressions

**Characteristics - Advantages**

- Optically optimized scans
- Highly precision images because of powder free direct scanning
- Traditional impression techniques
- Process optimization (elimination of model pouring)
- Careful and magnified evaluation of the impression
- Increased efficiency in the collaboration with the laboratory
- Immediate feedback from the laboratory or specialist

**BONASCAN Bite Air**

*BONASCAN Bite Air* is a scannable medium viscosity vinyl polysiloxane (VPS) material for bite registrations and is ideal for dentists who prefer traditional impression methods but who want to take advantage of the benefits of digital technology. Bonascan Bite Air is characterized by its mousse-like consistency making it very light on extrusion. Due to its high thixotropy (non-drip) it ensures accurate placement and enhanced patient comfort. It is available in three setting times and retains enough flexibility for easy trimming or cutting.

**Technical Data**

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<th>Product Description</th>
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<tr>
<td>210120010M</td>
<td>Cartridge 50ml x 2, mixing tips-FS</td>
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<tr>
<td>210120010E</td>
<td>Cartridge 50ml x 2, mixing tips-RS</td>
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<tr>
<td>210120020</td>
<td>Cartridge 50ml x 4-SFS</td>
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<tr>
<td>210120020M</td>
<td>Cartridge 50ml x 4-FS</td>
</tr>
<tr>
<td>210120020E</td>
<td>Cartridge 50ml x 4-RS</td>
</tr>
</tbody>
</table>

**Indications**

- Making accurate occlusal registrations
- Standard bite registrations in the end bite position
- Key material for needle point registration
- Production of small model segments

**Characteristics - Advantages**

- Mousse-like consistency
- Optically optimized scans
- Highly precision images because of powder free direct scanning
- Traditional impression techniques
- Process optimization (elimination of model pouring)
- Careful and magnified evaluation of the impression
- Increased efficiency in the collaboration with the laboratory
- Immediate feedback from the laboratory or specialist

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
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<tr>
<td>210120010</td>
<td>Cartridge 50ml x 2, mixing tips-SFS</td>
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<tr>
<td>210120010M</td>
<td>Cartridge 50ml x 2, mixing tips-FS</td>
</tr>
<tr>
<td>210120010E</td>
<td>Cartridge 50ml x 2, mixing tips-RS</td>
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<tr>
<td>210120020</td>
<td>Cartridge 50ml x 4-SFS</td>
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<tr>
<td>210120020M</td>
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</tr>
<tr>
<td>210120020E</td>
<td>Cartridge 50ml x 4-RS</td>
</tr>
</tbody>
</table>
**C-SILICONE**  
**BONASIL Putty**

**BONASIL Putty** is a kneadable very high viscosity C-Silicone (condensation curing). It is based on polysiloxanes and is suitable as a base impression material to be used in conjunction with Bonasil Light.

ISO 4823 / ADA 19, Type 0 – putty consistency

**Technical Data**

- Total working time: 1'15''
- Time in mouth: 2'30''
- Total setting time: 3'45''
- Shore A hardness: 65
- Strain in compression (%): 2 - 5
- Recovery from deformation (%): >99.0
- Linear dimensional change (%): <0.3
- Colour: Yellow

**Indications**

- Two step putty/wash technique
- One step putty/wash technique
- Functional peripheries
- Crown/bridge work
- Over impression for copperband impressions
- Occlusal registration

**Characteristics - Advantages**

- Kneadable Putty
- Smooth Handling
- Elastic Strength
- Easy withdrawal
- Non-sticky

**Item No.**  
**Product Description**  
20019001  
BONASIL Introductory Kit

**Item No.**  
**Product Description**  
20019002  
BONASIL Kit

---

**C-SILICONE**  
**BONASIL Light**

**BONASIL Light** is a C-Silicone, elastomeric, high precision correction impression material of low viscosity.

ISO 4823 / ADA 19, Type 3 – light bodied consistency

**Technical Data**

- Total working time: 1'30''
- Time in mouth: 4'00''
- Total setting time: 5'30''
- Shore A hardness: 50
- Strain in compression (%): 2 - 8
- Recovery from deformation (%): >99.0
- Linear dimensional change (%): < 0.6
- Colour: Blue

**Indications**

- Two step putty/wash technique
- One step putty/wash technique
- Reline impressions

**Characteristics - Advantages**

- High dimensional stability
- Premium detail reproduction
- High tear strength

**Item No.**  
**Product Description**  
20019140  
BONASIL Light 140ml
C-SILICONE

BONASIL Activator Paste

BONASIL Activator Paste is a catalyst for the condensation curing materials. It is a bright red smooth paste and contrasts very well with the yellow colour of the putty and the blue of the light body.

<table>
<thead>
<tr>
<th>Bonasil Putty</th>
<th>Bonasil Activator Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 scoop (18g)</td>
<td>1 diameter of scoop (0.35g)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bonasil Light</th>
<th>Bonasil Activator Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>10cm (2.9g)</td>
<td>10cm (0.8g)</td>
</tr>
</tbody>
</table>

Factors affecting working and setting times

Dosing
- Overdosing of activator reduces working and setting times
- Underdosing of activator prolongs working and setting times
- Application is at 23 °C ± 2 °C / 73 °F ± 4 °F, 50 ± 5% relative humidity
- Higher temperature reduces working and setting times
- Lower temperature prolongs working and setting times

Technical Data

- Mixing time: 30°
- Total working time: 2'00°
- Total setting time: 5'30°
- Shore A hardness: 85
- Recovery from deformation (%): >99.5
- Linear dimensional change (%): <0.2
- Colour: Light Blue

Item No. | Product Description
---|---
20104060 | BONASIL Activator Paste 60mL

BONASIL A+ Lab Putty

BONASIL A+ Lab Putty is a vinyl polysiloxane (VPS) high precision, multiple use, laboratory addition curing putty with a mixing ratio of 1:1. It is characterized by its ease of handling and high detail reproduction.

Indications
- Overcasts in dental laboratories
- Casting models
- Various dental technical procedures

Characteristics - Advantages
- Excellent consistency
- Exceptional dimensional stability
- Heat resistant
- High detail reproduction
- Non-sticky

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
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<tbody>
<tr>
<td>21010600</td>
<td>BONASIL A+ Lab Putty base 400g, Putty catalyst 400g, scoops</td>
</tr>
<tr>
<td>21010601</td>
<td>BONASIL A+ Lab Putty base 5Kg, Putty catalyst 5Kg, scoops</td>
</tr>
<tr>
<td>21010602</td>
<td>BONASIL A+ Lab Putty base 20kg, Putty catalyst 20kg, scoops</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20104060</td>
<td>BONASIL Activator Paste 60mL</td>
</tr>
</tbody>
</table>
**SILICONE IMPRESSION MATERIALS**

**LABORATORY A-SILICONE**

**BONASIL A+ Gingival**

*BONASIL A+ Gingival* is a medium viscosity vinyl polysiloxane material suitable for the reproduction of gingival masks on master models available in two types (hard and soft). It is a precise silicone which keeps its accuracy for days due to its outstanding dimensional stability. The highest aesthetic results can be obtained because of its natural gingival colour.

*BONASEP* is a separator which is applied to the contact surface of silicone materials to prevent adhesion between them. It is ideal for use in combination with Bonasil A+ Gingival for the reproduction of gingiva on models. It can be applied on all the Bonasil impression materials both addition and condensation curing and is used either directly on the dry impression or on the mould.

**Indications**

Quick and accurate gingival reproduction on master models

**Characteristics - Advantages**

- Outstanding aesthetic result
- Exceptional dimensional stability
- Very high tear strength
- Void free
- Non sticky

**Technical Data**

<table>
<thead>
<tr>
<th>Consistency</th>
<th>Hard</th>
<th>Soft</th>
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</thead>
<tbody>
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<td>Total working time</td>
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<tr>
<td>Total setting time</td>
<td>5’00’</td>
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<tr>
<td>Shore A hardness</td>
<td>70</td>
<td>47</td>
</tr>
<tr>
<td>Linear dimensional change (%)</td>
<td>&lt; 0.3</td>
<td>&lt; 0.3</td>
</tr>
<tr>
<td>Tear strength (N/mm)</td>
<td>&gt; 6.5</td>
<td>&gt; 6.5</td>
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<tr>
<td>Colour</td>
<td>Gingiva</td>
<td>Gingiva</td>
</tr>
</tbody>
</table>

**Item No.**

- 210114010: Cartridge 50ml x 2, mixing tips
- 210114020: Cartridge 50ml x 4
- 210118010: Cartridge 50ml x 2, mixing tips
- 210118020: Cartridge 50ml x 4

**BONASIL A+ Crystal Vision**

*BONASIL A+ Crystal Vision* is a transparent laboratory vinyl polysiloxane (VPS) impression material with medium viscosity. Its novel formulation produces highly transparent matrices through which the lab technician can polymerize light-curing composites and detect the accurate waxing placement and the reproduction of composite.

**Indications**

Transparent matrix for creating masks for the moulding of light-curing resins

**Characteristics - Advantages**

- Outstanding transparency
- Exceptional dimensional stability
- High final hardness
- Highly thixotropic
- Ideal consistency
- Very high tear strength
- Void free
- Composites free from oxygen inhibition layer

**Technical Data**

| Total working time | 1’00’ |
| Total setting time | 5’00’ |
| Shore A Hardness | 72 |
| Recovery from deformation (%) | > 99.5 |
| Linear dimensional change (%) | < 0.3 |
| Tear strength (N/mm) | > 7.0 |
| Colour | Clear |

**Item No.**

- 210117010: Cartridge 50ml x 2, mixing tips
- 210117020: Cartridge 50ml x 4

---

**SILICONE IMPRESSION MATERIALS**

**LABORATORY A-SILICONE**

**BONASIL A+ Gingival**
BONALABOR Putty is a polysiloxane laboratory condensation curing silicone. It is a kneadable high viscosity putty for use by dental technicians and is offered with Bonasil Activator Paste as its catalyst.

**Indications**
- Overcasts in dental laboratories
- Casting models
- Various dental technical procedures

**Characteristics - Advantages**
- Very good consistency
- Good final hardness
- Heat resistant
- Non-sticky

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200106130</td>
<td>Putty 1,300g, scoop</td>
<td>20 sheets, plastic coated paper, dimensions 12cm x 9cm</td>
</tr>
<tr>
<td>200106001</td>
<td>Putty 5Kg, scoops</td>
<td></td>
</tr>
<tr>
<td>200106002</td>
<td>Putty 20Kg, scoops</td>
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</tr>
<tr>
<td>200106131</td>
<td>Putty 1,300g, scoop</td>
<td></td>
</tr>
<tr>
<td>200106003</td>
<td>Putty 5Kg, scoops</td>
<td></td>
</tr>
<tr>
<td>200106004</td>
<td>Putty 20Kg, scoops</td>
<td></td>
</tr>
</tbody>
</table>

**SILICONES**

**ACCESSORIES**

**Item No.** | **Product Description** |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>070000180</td>
<td>T-Mixer yellow ratio 1:1, 4.2mm diameter</td>
</tr>
<tr>
<td>070000186</td>
<td>T-Mixer pink ratio 1:1, 5.4mm diameter</td>
</tr>
<tr>
<td>070000183</td>
<td>T-Mixer teal ratio 1:1, 6.5mm diameter</td>
</tr>
<tr>
<td>070000231</td>
<td>Mixer yellow ratio 5:1</td>
</tr>
<tr>
<td>020070441</td>
<td>O-ring (bayonet)</td>
</tr>
<tr>
<td>070000217</td>
<td>Intra-oral tip transparent teal &amp; pink T-mixer</td>
</tr>
<tr>
<td>070000213</td>
<td>Intra-oral tip yellow yellow T-mixer</td>
</tr>
</tbody>
</table>
## Aesthetic Filling Materials

### Light Curing

<table>
<thead>
<tr>
<th>Product</th>
<th>Composite Type</th>
<th>Class I</th>
<th>Class II</th>
<th>Class III</th>
<th>Class IV</th>
<th>Class V</th>
<th>Core Build-Up</th>
<th>Sealing</th>
<th>Liner</th>
<th>Temporary Crown &amp; Bridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nanoceram Bright</td>
<td>Universal Composite</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
</tr>
<tr>
<td>Nanoceram Bright Flow</td>
<td>Flowable Composite</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
</tr>
<tr>
<td>Bright Light</td>
<td>Universal Composite</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
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</tr>
<tr>
<td>Bright Light Flow</td>
<td>Flowable Composite</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
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<td>▫</td>
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<tr>
<td>Bright Posterior</td>
<td>Posterior Composite</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
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<td>▫</td>
<td>▫</td>
<td>▫</td>
</tr>
<tr>
<td>Bright Flow Core</td>
<td>Flowable Core Build-Up</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
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<td>▫</td>
</tr>
<tr>
<td>Pit &amp; Fissure Sealant</td>
<td>Sealant</td>
<td></td>
<td>▫</td>
<td></td>
<td></td>
<td></td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
</tr>
<tr>
<td>Bright Cavity Liner</td>
<td>Liner</td>
<td></td>
<td>▫</td>
<td></td>
<td></td>
<td></td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
</tr>
<tr>
<td>Bright Temporary C&amp;B</td>
<td>Temporary Crown &amp; Bridge Material</td>
<td></td>
<td>▫</td>
<td></td>
<td></td>
<td></td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
<td>▫</td>
</tr>
</tbody>
</table>
**NANOCERAM-BRIGHT** is a light curing nano-hybrid composite composed of a special blend of nano and micro fillers which produces a superior restorative. The highest aesthetic results have been achieved through the development of a sophisticated method for the integration of the nanoparticles in the resin matrix. These nanoparticles, of average particle size of 20 nm, assist in a quick polish after placement as well as ultralow wear.

A study, published in the Dental Advisor*, has shown that Nanoceram-Bright is among the products with the lowest water sorption and solubility. These key parameters ensure the durability and colour stability of the restoration.

*The Dental Advisor Research Report #50, July 2012

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**GLOSS**

Gloss comparison

Conditions: Gloss was measured on composite samples after abrasion with 600 grit sandpaper and measured on a Horiba glossmeter at a 60 degree angle (ASTM D-523).

---

**Technical Data**

<table>
<thead>
<tr>
<th>Characteristics - Advantages</th>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Excellent handling characteristics</td>
<td>Filled by weight (%) 80</td>
</tr>
<tr>
<td>• Excellent sculptability</td>
<td>Average filler particle size (nm) 700</td>
</tr>
<tr>
<td>• Low shrinkage—Very good marginal adaptation</td>
<td>Flexural strength (MPa) 138</td>
</tr>
<tr>
<td>• Extremely high polishability</td>
<td>Diametral tensile strength (MPa) 60</td>
</tr>
<tr>
<td>• High resistance to wear</td>
<td>Water sorption (µg/mm²) 11</td>
</tr>
<tr>
<td>• Superior aesthetics</td>
<td>• Strongly radiopaque</td>
</tr>
<tr>
<td>• Non-sticky</td>
<td>• Non-sticky</td>
</tr>
</tbody>
</table>
## AESTHETIC FILLING MATERIALS
### NANOCERAM-BRIGHT

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>16011205</td>
<td>7 SYRINGE KIT* Nanoceram-Bright 4g x 7, Etching gel 3ml x 2, Single bonding 3ml x 2, brush holder, brush tips, syringe tips &amp; mixing wells</td>
</tr>
<tr>
<td>16011101</td>
<td>INTRODUCTORY KIT* Nanoceram-Bright 4g x 4, Etching gel 3ml, Single bonding 3ml, brush holder, brush tips, syringe tips &amp; mixing wells</td>
</tr>
<tr>
<td>1601115XX</td>
<td>SMART KIT* Nanoceram-Bright 4g, Etching gel 2ml, Single bonding 1ml, syringe tips for shades see below</td>
</tr>
<tr>
<td>1601117XX</td>
<td>4 SYRINGES* Nanoceram-Bright 4g x 4 for shades see below</td>
</tr>
<tr>
<td>1601114XX</td>
<td>UNIT DOSE Nanoceram-Bright 0.25g x 20 for shades see below</td>
</tr>
</tbody>
</table>

### AVAILABLE SHADES
- shade A1
- shade A2
- shade A3
- shade A3.5
- shade A4
- shade B1
- shade B2
- shade B3
- shade C2
- shade C3
- shade D3
- shade opaque A2
- shade incisal
- shade bleach extra
- shade bleach

*Shades for kits can be selected by customers according to the needs of each local market.

## AESTHETIC FILLING MATERIALS
### BRIGHT POSTERIOR

**BRIGHT POSTERIOR** is a bulk fill light curing, radiopaque composite designed for posterior restorations. Its outstanding handling characteristics ensure fast and easy placement with excellent aesthetic results. Its advanced technology results in remarkable physical properties which enhance its strength and durability leading to a long-lasting restoration.

### Indications
- Direct restorations (Class I, II) including occlusal surfaces
- Core build ups
- Splinting
- Indirect restorations

### Technical Data
- Filled by weight [%] 81
- Filler particle size [µm] 0.02 - 2.5
- Flexural Strength [MPa] 143
- Compressive strength [MPa] 335
- Water sorption [µg/mm²] 9.8

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1801117XX</td>
<td>4 SYRINGES Bright Posterior 4g x 4 for shades see below</td>
</tr>
<tr>
<td>1801114XX</td>
<td>REFILL Bright Posterior 4g for shades see below</td>
</tr>
<tr>
<td>1801225XX</td>
<td>UNIT DOSE Bright Posterior 0.25g x 20 for shades see below</td>
</tr>
</tbody>
</table>

### Characteristics - Advantages
- Fast curing for 4mm increment
- Exceptional handling characteristics
- Excellent strength and wear resistance
- Very low polymerization shrinkage
- Non-sticky

<table>
<thead>
<tr>
<th>AVAILABLE SHADES</th>
</tr>
</thead>
<tbody>
<tr>
<td>shade A1</td>
</tr>
<tr>
<td>shade A2</td>
</tr>
<tr>
<td>shade A3</td>
</tr>
</tbody>
</table>
BRIGHT LIGHT is a versatile light curing composite both for anterior and posterior restorations. Its very good consistency guarantees ease in its application and its high gloss polishability increases the resistance to plaque. High filler loading results in excellent physical properties such as high diametral and flexural strength. Due to its very low water sorption it exhibits long lasting colour stability while maintaining its physical properties over a long period of time.

### Technical Data

- **Filled by weight (%)**: 81
- **Average filler particle size (µm)**: 0.9
- **Flexural Strength (MPa)**: 130
- **Diametral tensile strength (MPa)**: 55
- **Water sorption (µg/mm³)**: 9.5

### Indications

- Anterior and posterior restorations
- Class I - V restorations
- Direct veneers

### Characteristics - Advantages

- Great handling characteristics
- Very good marginal adaptation
- Very high fracture toughness
- High resistance to wear
- High polishability due to fine particles
- High aesthetic result-chameleon effect
- Strongly radiopaque
- Non-sticky

### Item No. | Product Description
--- | ---
11010205 | 7 SYRINGE KIT
- Bright Light 4.5g x 7, Etching gel 3ml x 2, Single bonding 3ml x 2
- brush holder, brush tips, syringe tips & mixing wells
- Shades: A1-A2-A3-A3.5-B2-B3-C2

11010101 | INTRODUCTORY KIT
- Bright Light 4.5g x 4, Etching gel 3ml, Single bonding 3ml, brush holder, brush tips, syringe tips & mixing wells
- Shades: A2-A3-A3.5-B2

110105XX | SMART KIT
- Bright Light 4.5g, Etching gel 2ml, Single bonding 1ml, syringe tips
- for shades see below

110107XX | 4 SYRINGES
- Bright Light 4.5g x 4
- for shades see below

110104XX | REFILL
- Bright Light 4.5g
- for shades see below

110125XX | UNIT DOSE
- Bright Light 0.25g x 20
- for shades see below

### AVAILABLE SHADES

- 01 shade A1
- 02 shade A2
- 03 shade A3
- 05 shade A3.5
- 06 shade A4
- 07 shade B1
- 08 shade B2
- 09 shade B3
- 12 shade C2
- 13 shade C3
- 16 shade D3
- 04 shade opaque A2

*Shades for kits can be selected by customers according to the needs of each local market*
**AESTHETIC FILLING MATERIALS**

**NANOCERAM-BRIGHT FLOW**

*Nanoceram-Bright Flow* is a light curing flowable version of the Nanoceram-Bright composite using the same nanohybrid technology to achieve optimum results. It is characterized by its superior aesthetics through its chameleon effect and high gloss polishability. This highly thixotropic product guarantees easy handling and precise application.

**Characteristics - Advantages**

- Excellent handling characteristics
- Excellent sculptability
- Low shrinkage—Very good marginal adaptation
- Extremely high polishability
- High resistance to wear
- Excellent flow characteristics—thixotropic
- Excellent handling characteristics
- Extremely high polishability
- High aesthetic result
- Very good marginal adaptation
- Superior aesthetics
- Strongly radiopaque

**Indications**

- Anterior and limited posterior restorations
- Liners for class I and II restorations
- Sealing larger pits and fissures
- Repair of composite restorations and ceramic veneers

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>Filled by weight (%)</th>
<th>Average filler particle size (µm)</th>
<th>Flexural strength (MPa)</th>
<th>Diametral tensile strength (MPa)</th>
<th>Water sorption (µg/mm²)</th>
<th>Compressive strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1701127XX</td>
<td>Nanoceram-Bright Flow 2g x 4, syringe tips</td>
<td>60</td>
<td>700</td>
<td>114</td>
<td>51</td>
<td>15.5</td>
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<tr>
<td>1701123XX</td>
<td>Nanoceram-Bright Flow 2g x 2, syringe tips</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AVAILABLE SHADES**

- 01 shade A1
- 02 shade A2
- 03 shade A3
- 05 shade A3.5
- 07 shade B1
- 08 shade B2
- 04 shade opaque A2
- 24 shade bleach extra

**BRIGHT LIGHT FLOW**

*Bright Light Flow* is a light curing microhybrid low viscosity flowable composite with excellent handling characteristics. The rheological properties of the material allow it to flow while it is being syringed under pressure and to become non-drip when placed in the cavity.

**Characteristics - Advantages**

- Excellent flow characteristics—thixotropic
- Very good marginal adaptation
- High resistance to wear
- Very high polishability due to fine particles
- High aesthetic result
- Strongly radiopaque

**Indications**

- Anterior and limited posterior restorations
- Liners for class I and II restorations
- Sealing larger pits and fissures
- Repair of composite restorations and ceramic veneers

**Technical Data**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>Filled by weight (%)</th>
<th>Average filler particle size (µm)</th>
<th>Flexural strength (MPa)</th>
<th>Diametral tensile strength (MPa)</th>
<th>Compressive strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1401127XX</td>
<td>Bright Light Flow 2g, syringe tips</td>
<td>56</td>
<td>4.9</td>
<td>110</td>
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<td>280</td>
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<tr>
<td>1401125XX</td>
<td>Bright Light Flow 2g, Etching gel 2ml, syringe tips</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AVAILABLE SHADES**

- 01 shade A1
- 02 shade A2
- 03 shade A3
- 05 shade A3.5
- 07 shade B1
- 08 shade B2
- 04 shade opaque A2

**SMART KIT**

- 4 SYRINGES: Bright Light Flow 2g x 4, syringe tips
- 2 SYRINGES: Bright Light Flow 2g x 2, syringe tips

**REFILL**

- Bright Light Flow 2g, syringe tips for shades see above
**AESTHETIC FILLING MATERIALS**

**BRIGHT FLOW CORE** is a dual curing flowable composite characterized by its high flexural and compressive strength. It is specially designed for areas where light is difficult to reach as it ensures polymerization in all parts due to its dual curing properties. It has great handling characteristics and its flow properties allow ideal adaptation to tooth structure.

- **Indications**
  - Core build up
  - Post cementation

- **Technical Data**
  - Working time: 1’30”
  - Total self curing time: 4’30”
  - Flexural strength (MPa): 135
  - Compressive strength (MPa): 350
  - Edge strength (N): 110
  - Water sorption (µg/mm²): 12.5

- **Product Description**
  - Item No.: 120112519
    - CARTRIDGE
      - Bright Flow Core-DC 25ml, mixing tips, intra-oral tips Universal
  - Item No.: 120112519
    - DOUBLE SYRINGE
      - Bright Flow Core-DC 5ml, mixing tips, intra-oral tips Universal

- **Indications**
  - Excellent flow consistency
  - High flexural strength
  - High compressive strength
  - Dual cure (light and self cured)
  - Direct application

**BRIGHT LIGHT HYBRID** is a self curing material for anterior and posterior restorations consisting of a universal base paste and catalyst paste.

- **Indications**
  - Anterior and posterior restorations
  - Class I - V restorations
  - Direct veneers

- **Technical Data**
  - Working time: 1’30”
  - Total self curing time: 4’00”
  - Filled by weight (%): 79
  - Compressive strength (MPa): 300
  - Flexural strength (MPa): 120
  - Diametral tensile strength (MPa): 48
  - Shade: Universal

- **Product Description**
  - Item No.: 120101000
    - 28g KIT with BONDING
      - Composite base paste 14g, Composite catalyst paste 14g
      - Etching gel 3ml, Bonding base 3ml, Bonding catalyst 3ml, mixing pads & spatulas
  - Item No.: 120102000
    - 14g KIT with BONDING
      - Composite base paste 7g, Composite catalyst paste 7g
      - Etching gel 2ml, Bonding base 1.5ml, Bonding catalyst 1.5ml, mixing pad & spatulas

- **Indications**
  - Easy to mix
  - Great handling characteristics
  - Very good marginal adaptation
  - High resistance to wear
  - Strongly radiopaque
  - Non-sticky

- **Characteristics - Advantages**
  - Filled by weight (%)
  - Compressive strength (MPa) 300
  - Flexural strength (MPa) 120
  - Diametral tensile strength (MPa) 48
  - Shade: Universal
SEALANT

PIT & FISSURE SEALANT is a fluoride releasing light curing sealant for primary or permanent teeth. It is used in preventive dentistry where it has been clinically proven that sealants are effective in the prevention of caries. The fluoride that is released offers an additional protection against caries and its ideal viscosity allows it to penetrate into the deepest pits and fissures to ensure total sealing.

### Indications
Sealing of pits and fissures

### Characteristics - Advantages
- Very low viscosity for easy application and deep penetration
- Fluoride releasing
- Bubble free
- Increased surface wear resistance due to inclusion of particles under 0.4 microns
- Opaque colour to facilitate visibility
- Radiopaque

---

**Item No.** Product Description

| SMART KIT | Pit & Fissure Sealant 2g x 2, Etching gel 3ml, syringe tips shade opaque |
| 150112518 |

| 2 SYRINGES | Pit & Fissure Sealant 2g x 2, syringe tips shade opaque |
| 150112318 |

---

**Item No.** Product Description

| SMART KIT | Pit & Fissure Sealant 2g x 2, Etching gel 3ml, syringe tips shade opaque |
| 150112518 |

| 2 SYRINGES | Pit & Fissure Sealant 2g x 2, syringe tips shade opaque |
| 150112318 |

---

**Item No.** Product Description

| CARTRIDGE | Bright Temporary C&B 75g, mixing tips for shades see below |
| 1201202XX |

| DOUBLE SYRINGE | Bright Temporary C&B 7.5g, mixing tips for shades see below |
| 1201201XX |

---

**Item No.** Product Description

<table>
<thead>
<tr>
<th>AVAILABLE SHADES</th>
</tr>
</thead>
<tbody>
<tr>
<td>shade A1</td>
</tr>
<tr>
<td>shade A2</td>
</tr>
<tr>
<td>shade A3</td>
</tr>
<tr>
<td>shade B1</td>
</tr>
<tr>
<td>shade bleach</td>
</tr>
</tbody>
</table>

---
ADHESIVES & LINERS

BRIGHT CAVITY LINER is a flowable light curing material for enforcing the floor and walls of the cavity before the application of filling materials. It contains fluoride and is characterized by its strong mechanical properties. It is compatible with other commercially available restorative materials and cements.

**Indications**
- Liner under all filling materials
- Pulp capping (indirect)

**Characteristics – Advantages**
- Fast and easy placement
- Fluoride releasing with antibacterial properties
- Protection of the pulp
- Increases resistance to post-operative sensitivity
- Strongly radiopaque

**Item No.** | **Product Description**
--- | ---
13011020 | Bright Cavity Liner 2g, syringe tips
13011040 | Bright Cavity Liner 2g x 2, syringe tips
13011080 | Bright Cavity Liner 2g x 4, syringe tips
**ADHESIVES & LINERS**

**BONDING**

**SINGLE BONDING** is a one component light curing adhesive material for the bonding of enamel and dentin in aesthetic restorations. It combines primer and adhesives into a solution to be applied after etching enamel and dentin simultaneously (the total-etch wet-bonding technique).

It is a solvent free material and its mechanical properties show a bond strength to dentin of over 28MPa. It is compatible with composites of other brands.

**BONDING BASE** and **BONDING CATALYST** is a two component self curing adhesive system for aesthetic restorations ideal for use with self curing composites.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>130106003</td>
<td>Single Bonding 3ml (light cure)</td>
</tr>
<tr>
<td>130106005</td>
<td>Single Bonding 5ml (light cure)</td>
</tr>
<tr>
<td>130102003</td>
<td>Bonding Base 3ml (chemical cure)</td>
</tr>
<tr>
<td>130102005</td>
<td>Bonding Base 5ml (chemical cure)</td>
</tr>
<tr>
<td>130103003</td>
<td>Bonding Catalyst 3ml (chemical cure)</td>
</tr>
<tr>
<td>130103005</td>
<td>Bonding Catalyst 5ml (chemical cure)</td>
</tr>
</tbody>
</table>

**ETCHING GEL** is an acid etchant for enamel and dentin with 37% phosphoric acid content. Its advanced formulation provides excellent thixotropic and handling characteristics making it ideal for etching enamel in the selective etch technique or dentin in the total etch technique. It has a distinctive blue colour facilitating application since it is clearly visible.

**Characteristics - Advantages**

- Thixotropic
- Easily rinsed without leaving residues
- Clearly visible due to its colour

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>130101003</td>
<td>Etching Gel 3ml, syringe tips</td>
</tr>
<tr>
<td>130101010</td>
<td>Etching Gel 10ml, syringe tips</td>
</tr>
<tr>
<td>130101050</td>
<td>Etching Gel 50ml, 2ml syringes x 3, syringe tips</td>
</tr>
</tbody>
</table>
ORTHODONTIC ADHESIVES

ORTHODONTIC BRACKET ADHESIVE, LIGHT CURE is designed for bonding of metal and ceramic brackets on enamel. It contains fluoride for additional tooth protection. Its viscosity is high and thus prevents bracket drifting and reduces material waste. As it is light cured extra working time is ensured and therefore accurate bracket placement can be obtained.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>310110501</td>
<td>SMART KIT</td>
</tr>
<tr>
<td></td>
<td>Paste 3g, Primer 2g,</td>
</tr>
<tr>
<td></td>
<td>Etching gel 2ml, syringe tips</td>
</tr>
<tr>
<td>310110701</td>
<td>4 SYRINGE KIT</td>
</tr>
<tr>
<td></td>
<td>Paste 3g x 2, Primer 2g x 2, syringe tips</td>
</tr>
</tbody>
</table>

**Indications**
- Direct bonding of metal and ceramic brackets

**Characteristics - Advantages**
- Fast curing time (20 sec.)
- Extended working time
- Metal + ceramic brackets
- Prevents brackets drifting
- Less material waste
- Fluoride releasing
PROALLOY is a dental silver alloy, rich in silver (70%), free of the corrosive gamma–2 (γ-2) phase (Sn₈Hg) and does not contain zinc. It is characterized by its high resistance to corrosion and therefore reduces the risk of marginal fracture. PROALLOY is a single composition alloy, which guarantees that each individual particle is an alloy of exactly the same composition. It consists of fine and ultra fine particles giving a strikingly smooth paste when amalgamated with mercury. Its handling characteristics and resistance to corrosion have included it amongst the best amalgams in the world market.

**Chemical Composition**

- Silver (Ag) 70%, Tin (Sn) 18%, Copper (Cu) 12%
- Particle Shape: Spherical
- Ratio – Alloy : Hg = 1 : 1.01

**Characteristics - Advantages**

- Excellent handling characteristics
- High resistance to corrosion
- Long lasting luster
- Excellent marginal adaptation
- High resistance to wear

**Indications**

- Posterior restorations

**Technical Data**

- Compressive strength 1 hour (MPa) 220
- Compressive strength 24 hour (MPa) 500
- Static creep (%) 0.14
- Dimensional change (%) 0.015
- Working time 4’30” - 5’00”
- Trituration time - Silamat mixer 8’

**Capsule caps are colour coded to distinguish easily the spill sizes**

- Single Spill / No 1 - Yellow
- Double Spill / No 2 - Orange
- Triple Spill / No 3 - Red

**Item No.** | **Product Description** | **Item No.** | **Product Description**
--- | --- | --- | ---
100120003 | Proalloy Powder 30g | 100121005 | Proalloy Capsules No.1 x 50
100120005 | 50g | 100122005 | No.2 x 50
100120010 | 100g | 100123005 | No.3 x 50
100120025 | 250g | 100121050 | No.1 x 500
100120050 | 500g | 100122050 | No.2 x 500
100123050 | No.3 x 500
**ASTRALLOY** is a non gamma 2, spherical, single composition dental silver amalgam alloy for dental restorations. It is characterized by its need for 23% less mercury than the common 1:1 ratio when amalgamated. It does not contain zinc and therefore problems that are associated with moisture during the restoration process are eliminated. The alloy consists of spherical and irregular shaped spheroidal particles which ensure excellent condensability. This gives high marginal adaptation and marginal seal thus avoiding post operative sensitivity.

**MARVALLOY** is a high copper dental silver alloy consisting of a constant ratio of spherical and lathe cut particles. As a result of this, great handling characteristics are obtained. Its high early strength together with its low static creep value lowers the risk of marginal fracture and assures long-lasting marginal integrity. It does not contain zinc thus eliminating problems due to moisture and avoids the corrosive gamma-2 (γ-2) phase. Tin dissolves in mercury and is preferentially bound to copper thus forming Cu\(_6\)Sn\(_5\), which inhibits formation of the corrosive gamma-2 phase (Sn\(_8\)Hg).

### Chemical Composition
- **Silver (Ag)** 60%, Tin (Sn) 28%, Copper (Cu) 12%
- **Particle Shape** - Spherical
- **Ratio** – Alloy : Hg = 1 : 0.78

### Item No. | Product Description | Item No. | Product Description
--- | --- | --- | ---
100150003 | 30g | 100151005 | No.1 x 50
100151005 | 50g | 100152005 | No.2 x 50
100150010 | 100g | 100153005 | No.3 x 50
100150025 | 250g | 100151050 | No.1 x 500
100150050 | 500g | 100152050 | No.2 x 500
100153050 | No.3 x 500 | 100153050 | No.3 x 500

### Technical Data
- **Compressive strength 1 hour (MPa)** 220
- **Compressive strength 24 hour (MPa)** 440
- **Static creep (%)** 0.11
- **Dimensional change (%)** 0.015
- **Working time** 4’30’’ - 5’00’’
- **Trituration time - Silamat mixer** 10’

### Indications
- Posterior restorations

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**MARVALLOY** is a high copper dental silver alloy consisting of a constant ratio of spherical and lathe cut particles. As a result of this, great handling characteristics are obtained. Its high early strength together with its low static creep value lowers the risk of marginal fracture and assures long-lasting marginal integrity. It does not contain zinc thus eliminating problems due to moisture and avoids the corrosive gamma-2 (γ-2) phase. Tin dissolves in mercury and is preferentially bound to copper thus forming Cu\(_6\)Sn\(_5\), which inhibits formation of the corrosive gamma-2 phase (Sn\(_8\)Hg).

### Chemical Composition
- **Silver (Ag)** 43%, Tin (Sn) 31.5%, Copper (Cu) 25.5%
- **Particle Shape** - Spherical /Lathe cut
- **Ratio** – Alloy : Hg = 1 : 0.99

### Item No. | Product Description | Item No. | Product Description
--- | --- | --- | ---
100110003 | 30g | 100111005 | No.1 x 50
100110005 | 50g | 100112005 | No.2 x 50
100110010 | 100g | 100113005 | No.3 x 50
100110025 | 250g | 100111050 | No.1 x 500
100110050 | 500g | 100112050 | No.2 x 500
100113050 | No.3 x 500 | 100113050 | No.3 x 500

### Technical Data
- **Compressive strength 1 hour (MPa)** 235
- **Compressive strength 24 hour (MPa)** 450
- **Static creep (%)** 0.10
- **Dimensional change (%)** 0.012
- **Working time** 4’30’’ - 5’00’’
- **Trituration time - Silamat mixer** 12’

### Indications
- Posterior restorations

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