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DMP is a leading manufacturer of high quality dental materials committed to clinical excellence, reliability, personalized customer service and competitive prices.

**Established in 1985, DMP introduced a range of dental silver amalgam alloys. Building on the success of the silver alloy range, a line of condensation type silicone impression materials was developed. DMP continued to invest heavily on research and development and to broaden its range of products to satisfy customer needs. This led to the introduction of composite materials as well as bonding systems for aesthetic dentistry. Since then the composite range has progressed to include a wide variety of products and highly advanced materials which apply the latest nanotechnology. Similarly high precision addition silicones (VPS) have enriched the impression material range. To enhance its customer service DMP USA was set up to provide a closer connection and in depth support to its customers in North America. Today DMP successfully markets its products worldwide while continuing to increase its product range.**
Modern factory

In 2005 DMP started a large investment project plan and built a new production plant equipping it with modern and highly specialized machinery. The move to its new premises (1,800m² / 20,000 sq. ft.) marked a substantial increase in productivity as well as research and development. The factory is situated in the industrial zone of Markopoulo, 10 minutes from Athens international airport and 30 minutes from the international port of Piraeus. Its ideal location is suitable for the shipment of goods by all modes of transport all over the world.

Products you can trust

The new factory has been designed from its conception with the specific needs of each product line in mind. Years of experience in production have led to the smallest details being considered and designed in the best possible way. Its laboratory is fully equipped with all the modern instruments to support its strict quality control in production, its continuous research program as well as test requirements for the international standards. The products are offered under DMP’s brand name as well as private label.

Certifications

Quality assurance is paramount in all areas of operation and DMP is certified with the quality systems ISO 9001 and ISO 13485 for the design, manufacture and distribution of dental materials. The strictest regulation standards have been met as products fulfil the requirements for medical devices (MDD 93/42/EEC) and have received clearance by the U.S. Food and Drug Administration.

First class service

DMP ensures top quality products through a smooth and efficient production line with excellent facilities for research and quality management. Through close cooperation with its customers and by maintaining a high degree of flexibility for individual market needs, DMP successfully supplies high quality products to the dental market worldwide always aiming to provide the highest level of satisfaction.
SILICONE IMPRESSION MATERIALS
## SILICONE IMPRESSION MATERIALS

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### A - Silicones

- **Bonasil A+ Putty**: One step putty/wash, Two step putty/wash
- **Bonasil A+ Heavy**: Single step, Double step
- **Bonascan Heavy**: Single step, Double step
- **Bonasil A+ Mono**: Single step
- **Bonascan Mono**: Single step
- **Bonasil A+ Regular**: Single step, Double Step
- **Bonasil A+ Light HTS**: Single step, Double Step
- **Bonasil A+ Light**: Single step, Double Step
- **Bonascan Light**: Single step, Double Step
- **Bonasil A+ Light Extra**: Single step, Double Step
- **Bonasil A+ Alginate Free**: Alginate applications
- **Bona-Bite**: Bite registrations
- **Bona-Bite Air**: Bite registrations
- **Bonascan Bite Air**: Bite registrations
- **Bona-Bite Crystal Vision**: Transparent bite registrations

### C - Silicons

- **Bonasil Putty**: One step putty/wash, Two step putty/wash
- **Bonasil Light**: One step putty/wash, Two step putty/wash

---

**Tray Material**
- Blue

**Wash Material**
- Red

**Monophase**
- Green

---

**Cartridge 5:1**
- Blue

**Cartridge 1:1**
- Red

**Jar**
- Yellow

**Tube**
- Green

---

5
A-SILICONE
BONASIL A+

BONASIL A+ is an addition curing vinyl polysiloxane elastomeric silicone impression system (VPS) used to create impression 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.
A-SILICONE
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 5:1 380ml 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

---

**Characteristics - Advantages**

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

---

**Technical Data**

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<th>Total working time (1’00” - 2’00”)</th>
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<td>Strain in compression (%)</td>
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<tr>
<td>Recovery from deformation (%)</td>
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<td>Linear dimensional change (%)</td>
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<td>Tear strength (N/mm)</td>
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**Item No.**

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<td>210101800F</td>
<td>Putty base 400g, Putty catalyst 400g, scoops-RS</td>
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<tr>
<td>210101380</td>
<td>Putty base 400g, Putty catalyst 400g, scoops-FS</td>
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<tr>
<td>210101030</td>
<td>Cartridge 380ml, mixers, o-ring</td>
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<tr>
<td></td>
<td>Cartridge 380ml x 2</td>
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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

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

**Technical Data**

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<td>Recovery from deformation</td>
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<td>Tear strength (N/mm)</td>
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<td>Colour</td>
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**Item No.**
- BONASIL A+ Heavy
- 210107380 Cartridge 380ml, mixers, o-ring
- 210107030 Cartridge 380ml x 2
- 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
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**

- **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**: 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.**

210104380  BONASIL A+ Mono Cartridge 380ml, mixers, o-ring
210103030  Cartridge 380ml x 2
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

### Technical Data

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<th>Setting description</th>
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<th>Strain in compression (%)</th>
<th>Recovery from deformation (%)</th>
<th>Linear dimensional change (%)</th>
<th>Tear strength (N/mm)</th>
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### 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

### Item No.
- 210105010
- 210105010F
- 210105020
- 210105020F

### Product Description
- BONASIL A+ Regular Cartridge 50ml x 2, mixing tips-RS
- Cartridge 50ml x 2, mixing tips-FS
- Cartridge 50ml x 4-RS
- Cartridge 50ml x 4-FS
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

**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): >6.5
- Colour: Green

**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

**Item No.**
- 210112010: 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

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

**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

**Technical Data**

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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

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

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>Total working time</th>
<th>Time in mouth</th>
<th>Total setting time</th>
<th>Setting description</th>
<th>Shore A hardness</th>
<th>Strain in compression (%)</th>
<th>Recovery from deformation (%)</th>
<th>Linear dimensional change (%)</th>
<th>Tear strength (N/mm)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1’00”</td>
<td>2’00”</td>
<td>3’00”</td>
<td>Fast</td>
<td>50</td>
<td>3 - 5</td>
<td>&gt;99.8</td>
<td>&lt;0.2</td>
<td>&gt;4.8</td>
<td>Green</td>
</tr>
</tbody>
</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

**Product Description**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210119010</td>
<td>BONASIL A+ Light Extra Cartridge 50ml x 2, mixing tips-RS</td>
</tr>
<tr>
<td>210119010F</td>
<td>BONASIL A+ Light Extra Cartridge 50ml x 2, mixing tips-FS</td>
</tr>
<tr>
<td>210119020</td>
<td>BONASIL A+ Light Extra Cartridge 50ml x 4-RS</td>
</tr>
<tr>
<td>210119020F</td>
<td>BONASIL A+ Light Extra Cartridge 50ml x 4-FS</td>
</tr>
</tbody>
</table>
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 alginites. 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

<table>
<thead>
<tr>
<th>Indications</th>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary impressions</td>
<td>Total working time 1’00”</td>
</tr>
<tr>
<td>Anatomic models</td>
<td>Time in mouth 2’00”</td>
</tr>
<tr>
<td>Fabricating temporary crowns and bridges</td>
<td>Total setting time 3’00”</td>
</tr>
<tr>
<td>Opposing dentition</td>
<td>Shore A hardness 45</td>
</tr>
<tr>
<td>Fabricating simple removable prosthetic restorations</td>
<td>Strain in compression (%) 3 – 5</td>
</tr>
<tr>
<td>Orthodontic work</td>
<td>Recovery from deformation (%) &gt;99.5</td>
</tr>
<tr>
<td>Case study models</td>
<td>Linear dimensional change (%) &lt;0.2</td>
</tr>
<tr>
<td></td>
<td>Tear strength (N/mm) &gt;4.5</td>
</tr>
</tbody>
</table>

Colour: Sky Blue

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

### Item No. | Product Description
--- | ---
210109380 | BONASIL A⁺ Alginate Free Cartridge 380ml, mixers, o-ring
210109030 | Cartridge 380ml x 2
210109010 | Cartridge 50ml x 2, mixing tips
210109020 | Cartridge 50ml x 4
**BONA-BITE** is a medium viscosity vinyl polysiloxane (VPS) material specifically for bite registrations with extremely high final 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.

### 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>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total working time</td>
<td>30&quot;</td>
</tr>
<tr>
<td>Time in mouth</td>
<td>45&quot;</td>
</tr>
<tr>
<td>Total setting time</td>
<td>1'15&quot;</td>
</tr>
<tr>
<td>Shore A hardness</td>
<td>93</td>
</tr>
<tr>
<td>Linear dimensional change (%)</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Tear strength (N/mm)</td>
<td>&gt;6.0</td>
</tr>
<tr>
<td>Colour</td>
<td>Lavender</td>
</tr>
</tbody>
</table>

### 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

### Product Description
- **Item No.**
  - 210108010: Cartridge 50ml x 2, mixing tips
  - 210108020: Cartridge 50ml x 4
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 has a fast intraoral setting time 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

**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

**Technical Data**
- Total working time: 30”
- Time in mouth: 45”
- Total setting time: 1’15”
- Shore A hardness: 85
- Linear dimensional change (%): <0.1
- Tear strength (N/mm): >6.0
- Colour: Light Blue

**Item No.**
- 210113010
- 210113020

**Product Description**
- BONA-BITE Air
- Cartridge 50ml x 2, mixing tips
- Cartridge 50ml x 4
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**
- Total working time: 1'00"
- Time in mouth: 2'00"
- Total setting time: 3'00"
- Shore A hardness: 70
- Strain in compression (%): 3 – 5
- Recovery from deformation (%): >99.5
- Linear dimensional change (%): <0.3
- Tear strength (N/mm): >7.0
- Colour: Clear

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

**Item No.**
- 210111010
- 210111020

**Product Description**
- BONA-BITE Crystal Vision Cartridge 50ml x 2, mixing tips
- Cartridge 50ml x 4
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

### 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

### Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Heavy</th>
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<tbody>
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<tr>
<td>Time in mouth</td>
<td>2'00&quot; 2'30&quot;</td>
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<tr>
<td>Total setting time</td>
<td>3'00&quot; 4'30&quot;</td>
</tr>
<tr>
<td>Setting description</td>
<td>Fast Regular</td>
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<tr>
<td>Shore A hardness</td>
<td>75</td>
</tr>
<tr>
<td>Strain in compression (%)</td>
<td>3 – 5</td>
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<tr>
<td>Recovery from deformation (%)</td>
<td>&gt;99.5</td>
</tr>
<tr>
<td>Linear dimensional change (%)</td>
<td>&lt;0.2</td>
</tr>
<tr>
<td>Tear strength (N/mm)</td>
<td>&gt;6.0</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue</td>
</tr>
</tbody>
</table>

### Item No. | Product Description
210121010 | BONASCAN Heavy Cartridge 50ml x 2, mixing tips – RS
210121010F | BONASCAN Heavy Cartridge 50ml x 2, mixing tips – FS
210121020 | BONASCAN Heavy Cartridge 50ml x 4 – RS
210121020F | BONASCAN Heavy Cartridge 50ml x 4 – FS
SCANNABLE A-SILICONE

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

**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

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>Total working time</th>
<th>Time in mouth</th>
<th>Total setting time</th>
<th>Setting description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1’00”</td>
<td>2’00”</td>
<td>3’00”</td>
<td>Fast</td>
</tr>
<tr>
<td></td>
<td>2’00”</td>
<td>2’30”</td>
<td>4’30”</td>
<td>Regular</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>Shore A hardness</th>
<th>Strain in compression (%)</th>
<th>Recovery from deformation (%)</th>
<th>Linear dimensional change (%)</th>
<th>Tear strength (N/mm)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60</td>
<td>3 – 5</td>
<td>&gt;99.5</td>
<td>&lt;0.2</td>
<td>&gt;6.0</td>
<td>Purple</td>
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**Item No.**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
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</thead>
<tbody>
<tr>
<td>210123010</td>
<td>BONASCAN Mono Cartridge 50ml x 2, mixing tips – RS</td>
</tr>
<tr>
<td>210123010F</td>
<td>BONASCAN Mono Cartridge 50ml x 2, mixing tips – FS</td>
</tr>
<tr>
<td>210123020</td>
<td>BONASCAN Mono Cartridge 50ml x 4 – RS</td>
</tr>
<tr>
<td>210123020F</td>
<td>BONASCAN Mono Cartridge 50ml x 4 – FS</td>
</tr>
</tbody>
</table>
SCANNABLE A-SILICONE

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

BONASCAN Light

<table>
<thead>
<tr>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total working time</td>
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<tr>
<td>Time in mouth</td>
</tr>
<tr>
<td>Total setting time</td>
</tr>
<tr>
<td>Setting description</td>
</tr>
<tr>
<td>Shore A hardness</td>
</tr>
<tr>
<td>Strain in compression (%)</td>
</tr>
<tr>
<td>Recovery from deformation (%)</td>
</tr>
<tr>
<td>Linear dimensional change (%)</td>
</tr>
<tr>
<td>Tear strength (N/mm)</td>
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<tr>
<td>Colour</td>
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Item No. | Product Description |
<table>
<thead>
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<th></th>
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</thead>
<tbody>
<tr>
<td>210122010</td>
<td>BONASCAN Light Cartridge 50ml x 2, mixing tips – RS</td>
</tr>
<tr>
<td>210122010F</td>
<td>BONASCAN Light Cartridge 50ml x 2, mixing tips – FS</td>
</tr>
<tr>
<td>210122020</td>
<td>Cartridge 50ml x 4 – RS</td>
</tr>
<tr>
<td>210122020F</td>
<td>Cartridge 50ml x 4 – FS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two step putty/wash technique</td>
</tr>
<tr>
<td>One step putty/wash technique</td>
</tr>
<tr>
<td>Crown/bridge work</td>
</tr>
<tr>
<td>Inlay and onlay impressions</td>
</tr>
<tr>
<td>Reline impressions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Characteristics – Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Optically optimized scans</td>
</tr>
<tr>
<td>• Highly precision images because of powder free direct scanning</td>
</tr>
<tr>
<td>• Traditional impression techniques</td>
</tr>
<tr>
<td>• Process optimization (elimination of model pouring)</td>
</tr>
<tr>
<td>• Careful and magnified evaluation of the impression</td>
</tr>
<tr>
<td>• Increased efficiency in the collaboration with the laboratory</td>
</tr>
<tr>
<td>• Immediate feedback from the laboratory or specialist</td>
</tr>
</tbody>
</table>
**SCANNABLE A-SILICONE**

**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 has a fast intraoral setting time 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>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total working time</td>
<td>30&quot;</td>
</tr>
<tr>
<td>Time in mouth</td>
<td>45&quot;</td>
</tr>
<tr>
<td>Total setting time</td>
<td>1'15&quot;</td>
</tr>
<tr>
<td>Shore A hardness</td>
<td>85</td>
</tr>
<tr>
<td>Linear dimensional change (%)</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Tear strength (N/mm)</td>
<td>&gt;6.0</td>
</tr>
<tr>
<td>Colour</td>
<td>Light Blue</td>
</tr>
</tbody>
</table>

**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

**Item No.**

- 210120010
- 210120020

**Product Description**

- BONASCAN Bite Air Cartridge 50ml x 2, mixing tips
- Cartridge 50ml x 4
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

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

### 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

### Characteristics - Advantages
- Kneadable Putty
- Smooth Handling
- Elastic Strength
- Easy withdrawal
- Non-sticky

### Item No. | Product Description
---|---
200101900 | BONASIL Putty 900ml
200100001 | BONASIL Introductory Kit Putty 400g, Light 60ml, Activator Paste 40ml
BONASIL Light is a C-Silicone, elastomeric, high precision correction impression material of low viscosity.

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

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

**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

**Characteristics - Advantages**
- High dimensional stability
- Premium detail reproduction
- High tear strength

**Item No.** 200102140
**Product Description** 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.

Dosage

<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>

Bonasil Light

<table>
<thead>
<tr>
<th></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

Item No. | Product Description
---------|-----------------------
200104040 | BONASIL Activator Paste 40ml
200104060 | 60ml
LABORATORY A-SILICONE

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

**Technical Data**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixing time</td>
<td>30&quot;</td>
</tr>
<tr>
<td>Total working time</td>
<td>2'00&quot;</td>
</tr>
<tr>
<td>Total setting time</td>
<td>5'30&quot;</td>
</tr>
<tr>
<td>Shore A hardness</td>
<td>85</td>
</tr>
<tr>
<td>Recovery from deformation (%)</td>
<td>&gt;99.5</td>
</tr>
<tr>
<td>Linear dimensional change (%)</td>
<td>&lt;0.2</td>
</tr>
<tr>
<td>Colour</td>
<td>Light Blue</td>
</tr>
</tbody>
</table>

**Characteristics - Advantages**

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

**Product Description**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210106800</td>
<td>BONASIL A+ Lab Putty base 400g, Putty catalyst 400g, scoops</td>
</tr>
<tr>
<td>210106001</td>
<td>BONASIL A+ Lab Putty base 5Kg, Putty catalyst 5Kg, scoops</td>
</tr>
</tbody>
</table>
LABORATORY A-SILICONE
BONASIL A+ Gingival

**BONASIL A+ Gingival** is a medium viscosity vinyl polysiloxane material suitable for the reproduction of flexible gingival masks on master models available in hard and soft consistencies. 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

### Technical Data

<table>
<thead>
<tr>
<th>Consistency</th>
<th>Hard</th>
<th>Soft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total working time</td>
<td>1'00&quot;</td>
<td>1'00&quot;</td>
</tr>
<tr>
<td>Total setting time</td>
<td>5'00&quot;</td>
<td>5'00&quot;</td>
</tr>
<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>
</tr>
<tr>
<td>Colour</td>
<td>Gingiva</td>
<td>Gingiva</td>
</tr>
</tbody>
</table>

### Characteristics - Advantages

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

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210114010</td>
<td>BONASIL A+ Gingival Soft Cartridge 50ml x 2, mixing tips</td>
</tr>
<tr>
<td>210114020</td>
<td>Cartridge 50ml x 4</td>
</tr>
<tr>
<td>210118010</td>
<td>BONASIL A+ Gingival Hard Cartridge 50ml x 2, mixing tips</td>
</tr>
<tr>
<td>210118020</td>
<td>Cartridge 50ml x 4</td>
</tr>
<tr>
<td>210115001</td>
<td>BONASEP 10ml</td>
</tr>
</tbody>
</table>
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

### Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total working time</td>
<td>1’00”</td>
</tr>
<tr>
<td>Total setting time</td>
<td>5’00”</td>
</tr>
<tr>
<td>Shore A Hardness</td>
<td>72</td>
</tr>
<tr>
<td>Recovery from deformation (%)</td>
<td>&gt;99.5</td>
</tr>
<tr>
<td>Linear dimensional change (%)</td>
<td>&lt;0.3</td>
</tr>
<tr>
<td>Tear strength (N/mm)</td>
<td>&gt;7.0</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear</td>
</tr>
</tbody>
</table>

### 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

**Item No.**

- 210117010
- 210117020

**Product Description**

- BONASIL A+ Crystal Vision
- Cartridge 50ml x 2, mixing tips
- Cartridge 50ml x 4
**LABORATORY C-SILICONE**

**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 consistency
- Casting models
- Various dental technical procedures

### Technical Data

<table>
<thead>
<tr>
<th></th>
<th>Shore A hardness</th>
<th>Mixing time</th>
<th>Total working time</th>
<th>Total setting time</th>
<th>Recovery from deformation (%)</th>
<th>Linear dimensional change (%)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>85</td>
<td>30&quot;</td>
<td>2’00”</td>
<td>6’00”</td>
<td>&gt;99.0</td>
<td>&lt;0.4</td>
<td>Light Grey</td>
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<tr>
<td></td>
<td>95</td>
<td>30&quot;</td>
<td>2’00”</td>
<td>6’00”</td>
<td>&gt;99.0</td>
<td>&lt;0.4</td>
<td></td>
</tr>
</tbody>
</table>

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

### Item No.  
- **Product Description**
  - **BONALABOR Putty - 85**
    - 200106130: Putty 1,300g, scoops
    - 200106001: Putty 5Kg, scoops
    - 200106002: Putty 20Kg, scoops
  - **BONALABOR Putty - 95**
    - 200106131: Putty 1,300g, scoops
    - 200106003: Putty 5Kg, scoops
    - 200106004: Putty 20Kg, scoops
## SILICONE ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>070100230</td>
<td>Mixing pad 20 sheets, plastic coated paper, dimensions 12cm x 9cm</td>
</tr>
<tr>
<td>070000180</td>
<td>T-Mixer yellow ratio 1:1, 4.2mm diameter</td>
</tr>
<tr>
<td>070000184</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>070000210</td>
<td>Intra-oral tip Transparent</td>
</tr>
<tr>
<td>070000213</td>
<td>Intra-oral tip Yellow</td>
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</table>
AESTHETIC FILLING MATERIALS
### 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>Sealant</th>
<th>Liner</th>
<th>Temporary Crown &amp; Bridge Material</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>
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</tr>
<tr>
<td>Nanoceram Bright Flow</td>
<td>Flowable Composite</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
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<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>
<td>✔️</td>
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</tr>
<tr>
<td>Bright Posterior</td>
<td>Posterior Composite</td>
<td>✔️</td>
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<tr>
<td>Bright Flow Core</td>
<td>Flowable Core Build-Up</td>
<td>✔️</td>
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<td></td>
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<td></td>
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<tr>
<td>Pit &amp; Fissure Sealant</td>
<td>Sealant</td>
<td>✔️</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<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>
Aesthetic Filling Materials

Nanoceram - Bright

Nanoceram - Bright is a light curing nano-hybrid composite composed of a special blend of micro and nano 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

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).
AESTHETIC FILLING MATERIALS
NANOCERAM - BRIGHT

NANOCERAM - BRIGHT is characterized by its ease in sculpting with no slumping. Its low polymerization shrinkage due to high loading and particle size blending yields high marginal integrity, minimizing post operative sensitivity and eliminating micro leakage.

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

Technical Data
- Filled by weight (%): 80
- Average filler particle size (nm): 700
- Flexural strength (MPa): 138
- Diametral tensile strength (MPa): 60
- Water sorption (µg/mm^3): 11

Characteristics - Advantages
- Excellent handling characteristics
- Excellent sculptability
- Low shrinkage - Very good marginal adaptation
- Extremely high polishability
- High resistance to wear
- Superior aesthetics
- Strongly radiopaque
- Non-sticky

Photos courtesy of Dr. Ross Nash
# AESTHETIC FILLING MATERIALS

## NANOCERAM - BRIGHT

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
</table>
| 160111205 | **7 SYRINGE KIT**<sup>*</sup>  
Nanoceram-Bright 4g 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 |
| 160111101 | **INTRODUCTORY KIT**<sup>*</sup>  
Nanoceram-Bright 4g x 4, Etching gel 3ml, Single bonding 3ml,  
brush holder, brush tips, syringe tips & mixing wells  
Shades: A2-A3-A3.5-B2 |
| 1601115XX | **SMART KIT**  
Nanoceram-Bright 4g, Etching gel 2ml, Single bonding 1ml, syringe tips  
for shades see below |
| 1601117XX | **4 SYRINGE KIT**  
Nanoceram-Bright 4g x 4  
for shades see below |
| 1601114XX | **REFILL**  
Nanoceram-Bright 4g  
for shades see below |
| 1601225XX | **UNIT DOSE**  
Nanoceram-Bright 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 OA2
- 19 shade incisal
- 24 shade bleach extra
- 25 shade bleach

<sup>*</sup> Shades for kits can be selected by customers according to the needs of each local market.
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/mm³): 9.8

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

**Item No.**
- 180114XX: REFILL Bright Posterior 4g for shades see below
- 1801225XX: UNIT DOSE Bright Posterior 0.25g x 20 for shades see below
- 1801117XX: 4 SYRINGE KIT Bright Posterior 4g x 4 for shades see below

**AVAILABLE SHADES**
- 01: shade A1
- 02: shade A2
- 03: shade A3
BRIGHT LIGHT MICROHYBRID 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.

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

**Technical Data**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Filled by weight (%)</td>
<td>81</td>
</tr>
<tr>
<td>Average filler particle size (µm)</td>
<td>0.9</td>
</tr>
<tr>
<td>Flexural Strength (MPa)</td>
<td>130</td>
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<tr>
<td>Diametral tensile strength (MPa)</td>
<td>55</td>
</tr>
<tr>
<td>Water sorption (µg/mm³)</td>
<td>9.5</td>
</tr>
</tbody>
</table>

**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
## AESTHETIC FILLING MATERIALS
### BRIGHT LIGHT MICROHYBRID

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>Shades:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 SYRINGE KIT*</td>
<td>Bright Light Microhybrid 4.5g x 7, Etching gel 3ml x 2, Single bonding 3ml x 2, brush holder, brush tips, syringe tips &amp; mixing wells</td>
<td>A1-A2-A3-A3.5-B2-B3-C2</td>
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<tr>
<td>110110205</td>
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<tr>
<td>INTRODUCTORY KIT*</td>
<td>Bright Light Microhybrid 4.5g x 4, Etching gel 3ml, Single bonding 3ml, brush holder, brush tips, syringe tips &amp; mixing wells</td>
<td>A2-A3-A3.5-B2</td>
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<tr>
<td>110110101</td>
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<tr>
<td>SMART KIT</td>
<td>Bright Light Microhybrid 4.5g, Etching gel 2ml, Single bonding 1ml, syringe tips for shades see below</td>
<td></td>
</tr>
<tr>
<td>1101105XX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 SYRINGE KIT</td>
<td>Bright Light Microhybrid 4.5g x 4 for shades see below</td>
<td></td>
</tr>
<tr>
<td>1101.07XX</td>
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<tr>
<td>REFILL</td>
<td>Bright Light Microhybrid 4.5g for shades see below</td>
<td></td>
</tr>
<tr>
<td>1101104XX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIT DOSE</td>
<td>Bright Light Microhybrid 0.25g x 20 for shades see below</td>
<td></td>
</tr>
<tr>
<td>1101225XX</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 OA2

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

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

### Technical Data
- Filled by weight [%] 60
- Average filler particle size (nm) 700
- Flexural strength (MPa) 114
- Diametral tensile strength (MPa) 51
- Water sorption (µg/mm³) 15.5
- Compressive strength (MPa) 280

### Characteristics - Advantages
- Excellent handling characteristics
- Excellent sculptability
- Low shrinkage - Very good marginal adaptation
- Extremely high polishability
- High resistance to wear
- Superior aesthetics
- Strongly radiopaque
- Non-sticky

### Item No. | Product Description
---|---
1701123XX | 2 SYRINGE KIT Nanoceram-Bright Flow 2g x 2, syringe tips for shades see below
1701127XX | 4 SYRINGE KIT Nanoceram-Bright Flow 2g x 4, syringe tips for shades see below
170112401 | REFILL Nanoceram-Bright Flow 2g syringe tips for shades see below

### AVAILABLE SHADES
- 01 shade A1
- 02 shade A2
- 03 shade A3
- 05 shade A3.5
- 07 shade B1
- 08 shade B2
- 04 shade OA2
- 24 shade bleach extra
**AESTHETIC FILLING MATERIALS**

**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.

### Indications

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

### Technical Data

- Filled by weight (%) 56
- Average filler particle size (μm) 0.9
- Flexural strength (MPa) 110
- Diametral tensile strength (MPa) 42
- Compressive strength (MPa) 280

### Characteristics - Advantages

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

### Product Description

**SMART KIT**

- Bright Light Flow 2g, Etching gel 2ml, Single bonding 1ml, syringe tips for shades see below

**2 SYRINGE KIT**

- Bright Light Flow 2g x 2, syringe tips for shades see below

**4 SYRINGE KIT**

- Bright Light Flow 2g x 4, syringe tips for shades see below

**REFILL**

- Bright Light Flow 2g, syringe tips for shades see below

### AVAILABLE SHADES

- 01 shade A1
- 02 shade A2
- 03 shade A3
- 05 shade A3.5
- 07 shade B1
- 08 shade B2
- 04 shade 0A2
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

**Characteristics - Advantages**

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

**Product Description**

- **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
  - Item No.: 120112319
AESTHETIC FILLING MATERIALS

BRIGHT LIGHT HYBRID

BRIGHT LIGHT - Chemical Cure Hybrid Composite 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 [%]: 82
- Compressive strength (MPa): 300
- Flexural strength (MPa): 120
- Diametral tensile strength (MPa): 48
- Shade: Universal

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

**Item No.** | **Product Description** | **Item No.** | **Product Description**
----- | ----- | ----- | -----
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 | 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
120103028 | 28g BASIC KIT Composite base paste 14g, Composite catalyst paste 14g mixing pads & spatulas | 120103014 | 14g BASIC KIT Composite base paste 7g, Composite catalyst paste 7g mixing pad & spatulas
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

![Etch](image1)
![Rinse-Dry](image2)
![Seal](image3)
![Light Cure](image4)
![Check Occlusion](image5)

**Item No.**  
**Product Description**  
SMART KIT  
Pit & Fissure Sealant 2g x 2, Etching gel 3ml, syringe tips shade Opaque  
15012518  
REFILL  
Pit & Fissure Sealant 2g, syringe tips shade Opaque  
150112418  
**Item No.**  
**Product Description**  
2 SYRINGE KIT  
Pit & Fissure Sealant 2g x 2, syringe tips shade Opaque  
150112318
BRIGHT TEMPORARY C&B is a self-curing, moldable composite designated for the construction of temporary crown and bridge restorations. It offers an excellent aesthetic result and in combination with its optimal mechanical properties is an ideal tool for fabricating provisional restorations. It produces low temperatures during intra-oral setting which protect against damage to the dental pulp.

**Indications**
- Temporary crowns and bridges
- Temporary inlays and onlays

**Characteristics - Advantages**
- Superior aesthetics
- Low temperature increase during polymerization
- Precise and easy fit of the temporary crown/bridge due to low shrinkage
- Optimum elastic phase
- Long lasting and durable
- Extremely high polishability

**Item No.**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>AVAILABLE SHADES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1201201XX</td>
<td>Bright Temporary C&amp;B 7.5g, mixing tips</td>
<td>01 shade A1, 02 shade A2, 03 shade A3</td>
</tr>
<tr>
<td>1201202XX</td>
<td>Bright Temporary C&amp;B 75g, mixing tips</td>
<td>07 shade B1, 24 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.** 130111020  **Product Description**
Bright Cavity Liner 2g, 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. Its phosphoric acid content is 37%. Etching gel increases the surface area of the tooth by making it rougher thus resulting in better adhesion for the bonding agent. For ease of dispensing the syringe tip is bendable so that any angle required can be obtained.

**Characteristics - Advantages**

- Excellent surface retention
- Easily rinsed
- Clearly visible due to its colour

**Item No.**

<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, ceramic and plastic 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.

**Indications**

Direct bonding of metal and ceramic brackets

**Characteristics - Advantages**

- Fast curing time (20 sec.)
- Extended working time
- Metal + plastic + ceramic brackets
- Prevents brackets drifting
- Less material waste
- Fluoride releasing

### Item No. | Product Description
--- | ---
310110501 | **BRACKET ADHESIVE:** Light Cure SMART KIT
Paste 3g, Primer 2g, Etching gel 2ml, syringe tips
310110701 | **4 SYRINGE KIT** Paste 3g x 2, Primer 2g x 2, syringe tips
AMALGAM FILLING MATERIALS
PROALLOY is a dental silver alloy, rich in silver (70%), free of the corrosive gamma-2 (γ-2) phase [Sn,Hg] 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

### Indications
- Posterior restorations

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

### Technical Data
- Compressive strength 1 hour (MPa) 220
- Compressive strength 24 hour (MPa) 500
- Static creep (%) 0.14
- Dimensional change (%) 0.015
- Total setting 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

### Product Description
- **Proalloy Powder**
  - Item No.: 100120003
  - 30g
  - Item No.: 100120005
  - 50g
  - Item No.: 100120010
  - 100g
  - Item No.: 100120025
  - 250g
  - Item No.: 100120050
  - 500g

- **Proalloy Capsules**
  - Item No.: 100121005
  - No. 1 x 50
  - Item No.: 100122005
  - No. 2 x 50
  - Item No.: 100123005
  - No. 3 x 50
  - Item No.: 100121050
  - No. 1 x 500
  - Item No.: 100122050
  - No. 2 x 500
  - Item No.: 100123050
  - No. 3 x 500
**AMALGAM FILLING MATERIALS**

**ASTRALLOY**

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.

<table>
<thead>
<tr>
<th>Chemical Composition</th>
<th>Indications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver (Ag) 60%, Tin (Sn) 28%, Copper (Cu) 12%</td>
<td>Posterior restorations</td>
</tr>
<tr>
<td>Particle Shape - Spherical</td>
<td></td>
</tr>
<tr>
<td>Ratio – Alloy : Hg = 1 : 0.78</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Characteristics – Advantages</th>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>23% less mercury</td>
<td>Compressive strength 1 hour (MPa) 220</td>
</tr>
<tr>
<td>High resistance to corrosion</td>
<td>Compressive strength 24 hour (MPa) 440</td>
</tr>
<tr>
<td>Very good marginal adaptation</td>
<td>Static creep (%) 0.11</td>
</tr>
<tr>
<td>High resistance to wear</td>
<td>Dimensional change (%) 0.015</td>
</tr>
<tr>
<td>Excellent condensability</td>
<td>Total setting time 4’30”-5’00”</td>
</tr>
<tr>
<td></td>
<td>Trituration time - Silamat mixer 10”</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Product Description</th>
<th>Item No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100150003</td>
<td>Astralloy Powder 30g</td>
<td>100151005</td>
<td>Astralloy Capsules No. 1 x 50</td>
</tr>
<tr>
<td>100150005</td>
<td>50g</td>
<td>100152005</td>
<td>No. 2 x 50</td>
</tr>
<tr>
<td>100150010</td>
<td>100g</td>
<td>100153005</td>
<td>No. 3 x 50</td>
</tr>
<tr>
<td>100150025</td>
<td>250g</td>
<td>100151050</td>
<td>No. 1 x 500</td>
</tr>
<tr>
<td>100150050</td>
<td>500g</td>
<td>100152050</td>
<td>No. 2 x 500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100153050</td>
<td>No. 3 x 500</td>
</tr>
</tbody>
</table>
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 \((\gamma-2)\) phase. Tin dissolves in mercury and is preferentially bound to copper thus forming \(\text{Cu}_6\text{Sn}_5\) which inhibits formation of the corrosive gamma -2 phase \([\text{Sn}_8\text{Hg}]\).

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

### Indications
- Posterior restorations

### Characteristics - Advantages
- Excellent condensability
- Smooth carving
- High resistance to wear
- Long lasting restoration
- Economical restorative

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

**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**
--- | --- | --- | ---
100110003 | 30g Marvalloy Powder | 100110005 | 50g Marvalloy Powder |
100110005 | 50g | 100113005 | 100g Marvalloy Capsules |
100110010 | 100g | 100111005 | No. 1 x 50 |
100110025 | 250g | 100112005 | No. 2 x 50 |
100110050 | 500g | 100113005 | No. 3 x 50 |
| | | 100111050 | No. 1 x 500 |
| | | 100112050 | No. 2 x 500 |
| | | 100113050 | No. 3 x 500 |