Impressive Impressions

Virtual®

The hydrophilic precision impression material
Hydrophilicity and contact angle

Unset impression material should demonstrate very good hydrophilic properties during the impression taking process, as hydrophilicity is an essential pre-requisite for recording the very fine detail of the oral hard and soft tissues. Conventional test methods usually involve the use of set material when determining the contact angle with water and dental stone of dental impression materials. Virtual’s compatibility with moist dentin and gingival tissue has been demonstrated with unset material in tests simulating clinical conditions.

Excellent wettability

The Virtual Extra Light Body and Light Body materials show low contact angles. They spread easily and adapt smoothly to dentin and moist oral tissue.

Excellent moisture displacement characteristics

The ability of the Virtual Extra Light Body and Light Body materials to spread readily into restricted areas displacing oral fluids trapped there enables a precise reproduction of fine anatomical details. The result is impressive: impressions of extraordinary precision, reproducing remarkable detail around the preparations.
The colours – sea blue for the tray material and caramel for the wash – have been chosen after extensive consultation with many dentists and dental technicians. The contrasting colours enhance the readability of the impression in every respect.

The sea blue colour of the tray material has a soothing effect on the eyes of the beholder. The colour contrast between the blue tray material and the caramel wash produces preparation margins that are very easy to read.

The result is obvious: precision impressions that offer excellent readability.

**VIRTUAL**

achieves impressions of amazing accuracy and excellent readability.

Ideal combination of colours

The colours – sea blue for the tray material and caramel for the wash – have been chosen after extensive consultation with many dentists and dental technicians.

The contrasting colours enhance the readability of the impression in every respect.
Customized: accommodating all clinical needs

Virtual Extra Light Body
Virtual Light Body
Virtual Monophase
Virtual Heavy Body
Virtual Putty
Virtual Bite Registration

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Consistency according to ISO 4823</th>
<th>Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual Extra Light Body</td>
<td>Type 3 Low consistency</td>
<td>Putty/wash impression</td>
</tr>
<tr>
<td>Virtual Light Body</td>
<td>Type 3 Low consistency</td>
<td>Heavy/light impression (Putty/wash impression)</td>
</tr>
<tr>
<td>Virtual Monophase</td>
<td>Type 2 Medium consistency</td>
<td>Single phase impression</td>
</tr>
<tr>
<td>Virtual Heavy Body</td>
<td>Type 1 High consistency</td>
<td>Heavy/light impression</td>
</tr>
<tr>
<td>Virtual Putty</td>
<td>Type 0 Very high consistency</td>
<td>Putty/wash impression (Heavy/wash impression)</td>
</tr>
<tr>
<td>Virtual Bite Registration</td>
<td></td>
<td>Bite registration</td>
</tr>
</tbody>
</table>
Convenient:
for both dentist and patient

VIRTUAL is convenient to work with and provides the comfort you and your patients expect.

Snap set

Due to the thermosensitive characteristics of Virtual, the setting reaction is accelerated after the tray is seated in the patient’s mouth.

This saves valuable time and ensures precise impressions, while reducing the risk of deformation.

Flexible setting times

The setting time is either 2 ½ minutes (fast set) or optionally, 4 ½ minutes (regular set).

Fresh flavour

Patients will appreciate the reduced time in the mouth and the light, fresh peppermint smell of the Virtual impression materials.
Virtual Monophase, Virtual Heavy Body and Virtual Putty clearly surpass ISO requirements as far as fine detail reproduction is concerned.

Virtual features well-balanced physical properties in every respect.

**Excellent detail reproduction**

The combination of the polymer and innovative, spheroid silicon micro-fillers ensures exceptional precision and excellent reproduction of anatomical details.

**Outstanding dimensional stability**

As Virtual impressions maintain their dimensional stability for up to two weeks, there is no need to pour models immediately. Virtual impression materials are easy to disinfect and several models can be poured from one impression.

**Superior elastic recovery**

Virtual impressions are easy to remove from the patient’s mouth and elastically recover from the deformation of removal.

**High tear strength**

The excellent tear resistance of Virtual reduces the risk of tearing fine margins.

**Hardness adjusted to the clinical needs**

Final hardness values that increase from Virtual Extra Light Body to Virtual Heavy Body ideally contribute to achieving good impressioning results.
Versatile:
wide range of applications

VIRTUAL materials have been designed to create highly detailed impressions of the hard and soft tissues of the oral cavity.

- Final impressions used for the fabrication of indirect restorations (crowns, bridges, inlays, onlays and veneers)
- Dental implant impressions
- Matrix for “wax-ups” or treatment planning study models
- Edentulous impressions
- Matrix used to create temporary restorations
Detailed:

technical data

Virtual impression materials and Virtual bite registration material are addition-reaction silicones (vinyl polysiloxanes).

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Extra Light Body</th>
<th>Light Body</th>
<th>Monophase</th>
<th>Heavy Body</th>
<th>Putty</th>
<th>Bite Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>caramel</td>
<td>caramel</td>
<td>sea blue</td>
<td>sea blue</td>
<td>sea blue</td>
<td>orange</td>
</tr>
<tr>
<td>Working time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fast</td>
<td>1:45 min</td>
<td>1:35 min</td>
<td>1:35 min</td>
<td>1:15 min</td>
<td>1:15 min</td>
<td>max.</td>
</tr>
<tr>
<td>Regular</td>
<td>3:00 min</td>
<td>2:35 min</td>
<td>2:35 min</td>
<td>2:05 min</td>
<td>1:25 min</td>
<td>0:30 min</td>
</tr>
<tr>
<td>Time in mouth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fast</td>
<td>2:30 min</td>
<td>2:30 min</td>
<td>2:30 min</td>
<td>2:30 min</td>
<td>2:30 min</td>
<td>min.</td>
</tr>
<tr>
<td>Regular</td>
<td>4:30 min</td>
<td>4:30 min</td>
<td>4:30 min</td>
<td>4:30 min</td>
<td>4:30 min</td>
<td>1:00 min</td>
</tr>
<tr>
<td>Linear dimensional change (24 h)</td>
<td>&lt; 0.20 %</td>
<td>&lt; 0.20 %</td>
<td>&lt; 0.20 %</td>
<td>&lt; 0.20 %</td>
<td>&lt; 0.20 %</td>
<td>&lt; 0.05 %</td>
</tr>
<tr>
<td>Strain in compression (min. – max.)</td>
<td>3 – 5 %</td>
<td>3 – 5 %</td>
<td>3 – 5 %</td>
<td>3 – 5 %</td>
<td>1 – 3 %</td>
<td>–</td>
</tr>
<tr>
<td>Recovery from deformation</td>
<td>&gt; 99.5 %</td>
<td>&gt; 99.5 %</td>
<td>&gt; 99.5 %</td>
<td>&gt; 99.5 %</td>
<td>&gt; 99.0 %</td>
<td>–</td>
</tr>
<tr>
<td>Detail reproduction</td>
<td>20 µ</td>
<td>20 µ</td>
<td>20 µ</td>
<td>20 µ</td>
<td>50 µ</td>
<td>–</td>
</tr>
<tr>
<td>Shore-A hardness</td>
<td>47±3</td>
<td>54±3</td>
<td>67±3</td>
<td>68±3</td>
<td>61±3</td>
<td>95</td>
</tr>
</tbody>
</table>
Dependable: excellent performance in practice tests

VIRTUAL has been rated “excellent” by users

“Sixty percent of consultants noted that Virtual behaved much like a hydrophilic material, displacing moisture and resulting in very accurate impressions with excellent reproduction of detail. … Patients appreciated the reduced time in the mouth as well as the neutral taste of the material.”

The Dental Advisor, Volume 20, 2003

“Its (Virtual’s) accuracy, hydrophilicity, and tear strength were considered very good to excellent. …

It is very accurate, rarely had bubbles, and produced margins that were very easy to read with excellent detail.”

Reality Now No. 147, October 2002
Flexible:
a broad range of products

Delivery forms:

**Virtual Putty Regular Set and Fast Set**
- **Refill**
  - 1 jar base, 300 ml
  - 1 jar catalyst, 300 ml
  - 2 measuring scoops

**Virtual Heavy Body Regular Set and Fast Set**
- **Refill**
  - 2 cartridges, 50 ml ea
  - 6 mixing tips, large
- **Multi Pack**
  - 12 cartridges, 50 ml ea
  - 36 mixing tips, large

**Virtual Monophase Regular Set and Fast Set**
- **Refill**
  - 2 cartridges, 50 ml ea
  - 6 mixing tips, large
- **Multi Pack**
  - 12 cartridges, 50 ml ea
  - 36 mixing tips, large

**Virtual Light Body Regular Set and Fast Set**
- **Refill**
  - 2 cartridges, 50 ml ea
  - 12 mixing tips, small
- **Multi Pack**
  - 12 cartridges, 50 ml ea
  - 72 mixing tips, small

**Virtual Extra Light Body Regular Set and Fast Set**
- **Refill**
  - 2 cartridges, 50 ml ea
  - 12 mixing tips, small
- **Multi Pack**
  - 12 cartridges, 50 ml ea
  - 72 mixing tips, small

**Virtual Extra Light Body Regular Set and Fast Set**
- **Refill**
  - 2 cartridges, 50 ml ea
  - 12 mixing tips, small
- **Multi Pack**
  - 12 cartridges, 50 ml ea
  - 72 mixing tips, small

**Virtual Bite Registration**
- **Refill**
  - 2 cartridges, 50 ml ea
  - 8 mixing tips, large
- **Multi Pack**
  - 12 cartridges, 50 ml ea
  - 48 mixing tips, large

**Virtual Tray Adhesive**
- **Refill**
  - 1 bottle adhesive, 10 ml
- **Mixing tips, large**
  - 48 mixing tips, large

**Mixing tips, small**
- 48 mixing tips, small
- **Intraoral tips, small**
  - 100 intraoral tips, large

**Dispenser 1:1**
- **Refill**
  - 1 dispenser, 50 ml

These materials have been developed solely for use in dentistry. Processing should be carried out strictly according to the Instructions for Use. Descriptions and data constitute no warranty of attributes and are not binding.

Printed in Liechtenstein
© 2003 Ivoclar Vivadent AG
57268/0303/5a/BVD

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