

Virtual®

The hydrophilic precision impression material



Hydrophilic:
exactly where you need it

Virtual®

Coordinated line of vinyl polysiloxane impression materials

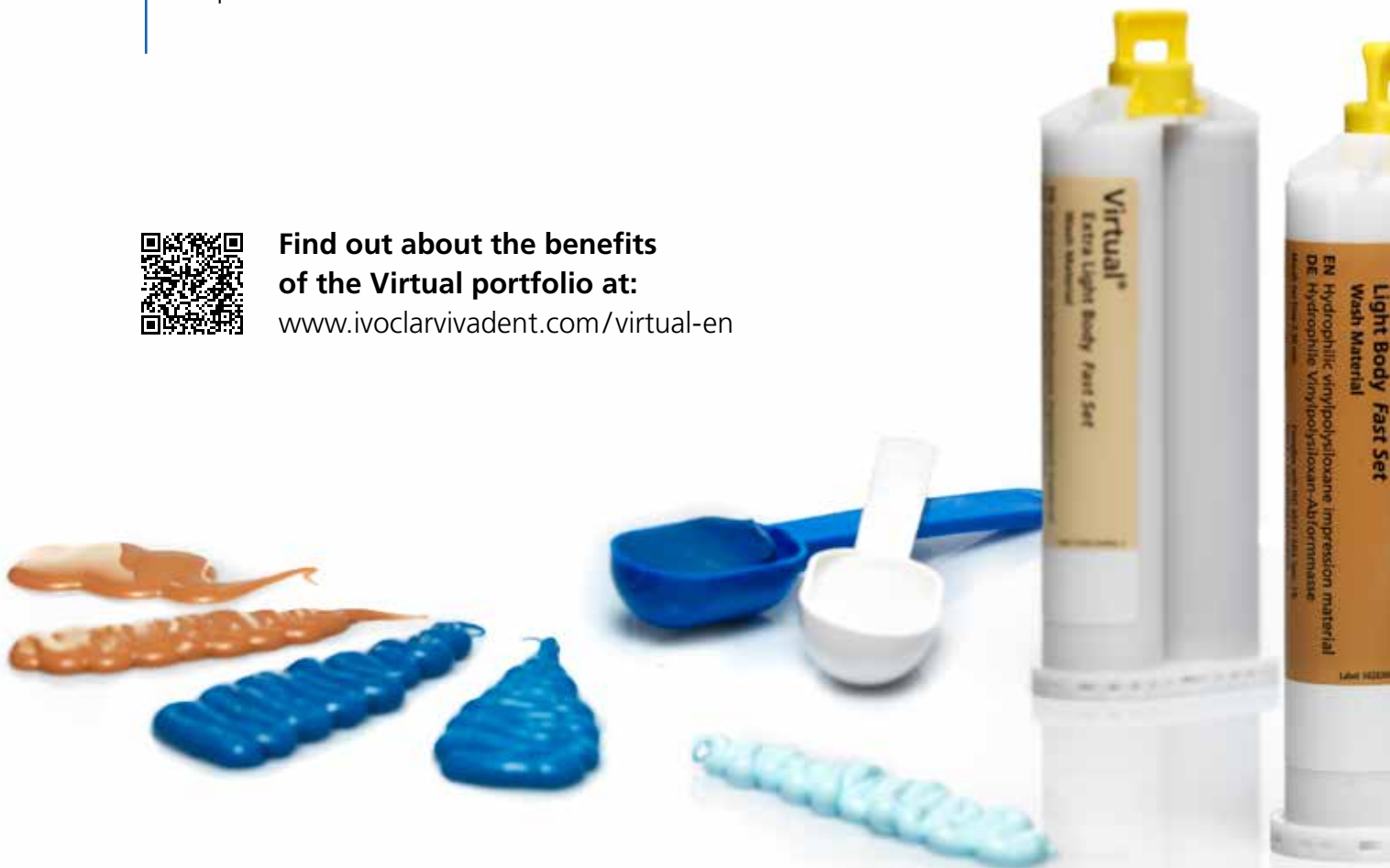
Vinyl polysiloxane materials are the most commonly used category of material to take impressions because of their physical properties and user friendliness. They enable a tidy processing procedure and they are odourless and tasteless – Virtual falls into this category of materials.

Impression materials made of addition-cured vinyl polysiloxane (addition silicones) offer many benefits in restorative and prosthetic treatments:



**Find out about the benefits
of the Virtual portfolio at:**

www.ivoclarvivadent.com/virtual-en



Hydrophilicity

Unset impression material should demonstrate very good hydrophilic properties during the impression taking process, as hydrophilicity is an essential prerequisite for recording the very fine detail of the oral hard and soft tissues.

Excellent dimensional stability

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

Thermosensitive setting

The thermosensitive characteristics of Virtual allow the setting reaction to be accelerated immediately after the impression tray is seated in the patient's mouth. This saves valuable chair time and ensures more precise impressions by reducing the risk of deformation.

Coordinated handling properties

Virtual offers high tear strength that allows even the finest marginal details to be captured accurately. Given the material's exceptional elastic recovery, impressions are easy to remove from the mouth and recover from deformation that may have occurred upon removal. Virtual is available in a range of different hardnesses, increasing from Virtual Extra Light Body to Virtual Heavy Body, to further assist users in achieving the impression results they want.



Impressions

An important link between the practice and laboratory

Impressions represent a crucial link and tool of communication between the dental practice and laboratory. Good performance is essential as the quality of the plaster model and the accuracy of fit of the restoration depend on the quality of the impression.

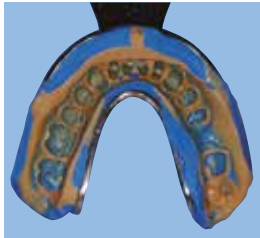
Whether the impression is a single tooth or a full arch – the impression material should always provide an accurate capture of both the hard and soft tissues.

Virtual is designed to provide accurate impressions of oral hard and soft tissues for the following areas of application:

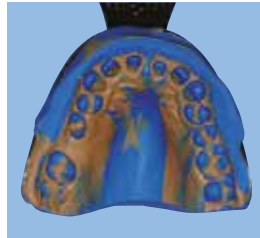
- Impressions used for the fabrication of indirect restorations (crowns, bridges, inlays, onlays and veneers)
- Dental implant impressions
- Matrix for wax-ups, treatment planning and study models
- Edentulous impressions
- Matrix to create temporary restorations
- Functional impressions



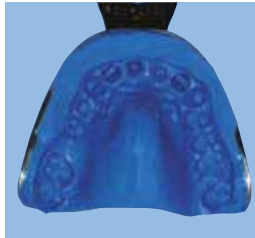
Impression techniques



Putty/wash impression
Virtual® Putty
Virtual® Extra Light Body



Double-mix technique
Virtual® Heavy Body
Virtual® Light Body



Single phase impression
Virtual® Monophase



Bite registration
Virtual® CADbite Registration



	CONSISTENCY acc. to ISO 4823	TECHNIQUE
Virtual Extra Light Body Low viscosity	Type 3 (Heavy/light impression)	Putty/wash impression
Virtual Light Body Low viscosity	Type 3 (Putty/wash impression)	Heavy/light impression
Virtual Monophase Medium viscosity	Type 2	Single phase impression
Virtual Heavy Body High viscosity	Type 1	Heavy/light impression
Virtual Putty Kneadable, very high viscosity	Type 0 (Heavy/light impression)	Putty/wash impression
Virtual CADbite Registration	Optical data recording (CAD/CAM technique)	Bite registration

Virtual[®] CADbite Registration

Scannable bite registration material offering fast setting and high final hardness

Virtual CADbite Registration is a material that has been especially optimized for bite registrations. Given its thixotropic consistency, the material does not flow from the occlusal surfaces into the interdental spaces. Its stability ensures an accurate capture of the antagonist dentition even if edentulous gaps are present.

Fast setting time

With an intraoral setting time of only 45 seconds, the material provides a pleasant impression-taking experience for patients with an increased rate of acceptance, thereby reducing the risks for inaccuracies. At the same time, Virtual CADbite Registration provides sufficient working time to allow full-arch bite records to be taken.

High final hardness

Due to the material's high final hardness of 32 Shore D and high fracture toughness, Virtual CADbite registrations are easy to trim and grind. In addition, undesirable shifts are prevented when adjusting the position of the casts in the articulator.

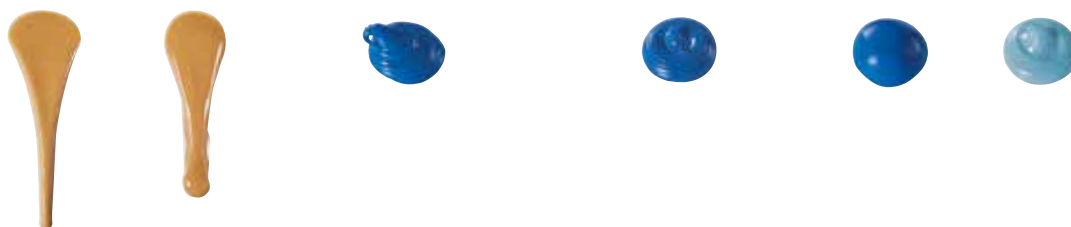
Scannable

Virtual CADbite Registration features a reflective surface. It delivers excellent results when capturing images with intraoral scanning devices. This attribute allows dental professionals to incorporate antagonist data directly in the design of tooth restorations with CAD/CAM technology.



Delivery forms / Technical data

	Extra Light Body	Light Body	Monophase		Heavy Body		Putty	CADbite Registration
Shade	Caramel	Caramel	Sea blue		Sea blue		Sea blue	Light blue
Size	50 ml	50 ml	50 ml	380 ml	50 ml	380 ml	2 x 300 ml	50 ml
Delivery forms	Refill 2 x 50 ml + 12 mixing tips	Refill 2 x 50 ml + 12 mixing tips	Refill 2 x 50 ml + 6 mixing tips	Refill 2 x 380 ml + mixer and bajonet rings	Refill 2 x 50 ml + 6 mixing tips	Refill 2 x 380 ml + mixer and bajonet rings	Refill 2 x 300 ml	Refill 2 x 50 ml + mixing tips
Fast Regular	562828 AN 562827 AN	562830 AN 562829 AN	562832 AN 562831 AN	594838 AN –	562836 AN 562835 AN	594839 AN 594840 AN	562840 AN 562839 AN	607908 AN
Working time								
Fast Regular	1:00 min. 1:30 min.	1:00 min. 1:30 min.	1:00 min. 1:30 min.	1:00 min. –	1:00 min. 1:30 min.	1:00 min. 1:30 min.	1:00 min. 1:30 min.	max 0:30 min.
Time in mouth								
Fast Regular	2:30 min. 4:30 min.	2:30 min. 4:30 min.	2:30 min. 4:30 min.	3:30 min. –	2:30 min. 4:30 min.	2:30 min. 4:30 min.	2:30 min. 4:30 min.	min 0:45 min.
Linear dimensional change (24 h)	≤ 1.50 %	≤ 1.50 %	≤ 1.50 %		≤ 1.50 %		≤ 1.50 %	≤ 1.50 %
Strain in compression (min – max)	2 – 8 %	2 – 8 %	2 – 8 %		0.8 – 5 %		0.8 – 5 %	–
Recovery from deformation	≥ 96.5 %	≥ 96.5 %	≥ 96.5 %		≥ 96.5 %		≥ 96.5 %	–
Detail reproduction	20 μ	20 μ	20 μ		50 μ		75 μ	–
Shore A hardness	34 – 58	52 – 62	64 – 78		68 – 80		58 – 69	–
Shore D hardness	–	–	–		–		–	32
Scannability	–	–	–		–		–	✓



Accessories

Refill	48 x Mixing tips, small	572806
Refill	48 x Mixing tips, large	572807
Refill	100 x Intra Oral Tips, small	572809
Refill	100 x Intra Oral Tips, large	572808

Refill	Dispenser 1:1	572810
Refill	50 x Dynamic Mixer	600158

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