

doric definition
addition cured silicones



impressions seen in
high definition

schottlander



doric definition

addition cured silicones

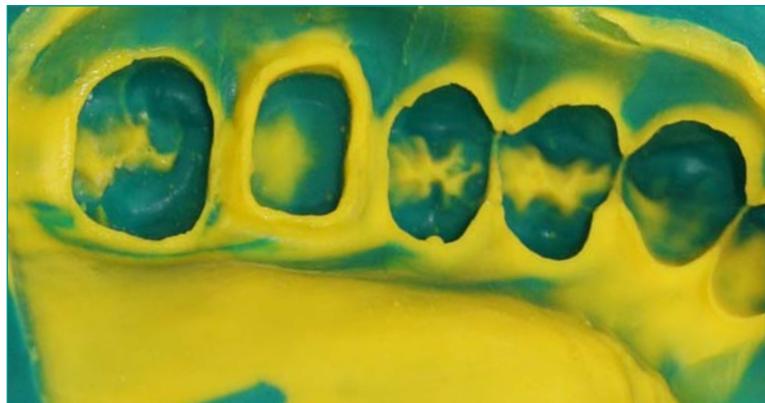
Doric Definition is a completely new product designed with a simple objective - to help you take more precise impressions with better defined margins. When you use Doric Definition for the first time, the contrast with the older generation of impression materials is immediately visible. You and your technician will clearly see the difference in the definition and fit round the margins.

How do **Doric Definition Super Soft Putty** and **Doric High Definition Wash** help you make this this improvement?

Contrast

Contrast

With Doric High Definition Wash you will immediately see the intense contrast between the rich green of the putty and the bright yellow of the wash, making it easier for both you and your technician to inspect and interpret the impression. However the colour contrast is just the beginning as the density of the wash material will show up even in thin sections.



impressions seen in ...

Flow

The Sharks Fin Test is the standard method of measuring the flow of wash materials. In this test, material is loaded above a mould which is shaped like a sharks fin and a 250g weight is placed on top of it. The greater the depth of penetration into the sharks fin shape the greater the flow and likely penetration into the sub gingival areas. Of the materials tested only Doric High Definition Wash flowed under pressure right to the bottom of the sharks fin shape thus showing its superior flow properties.



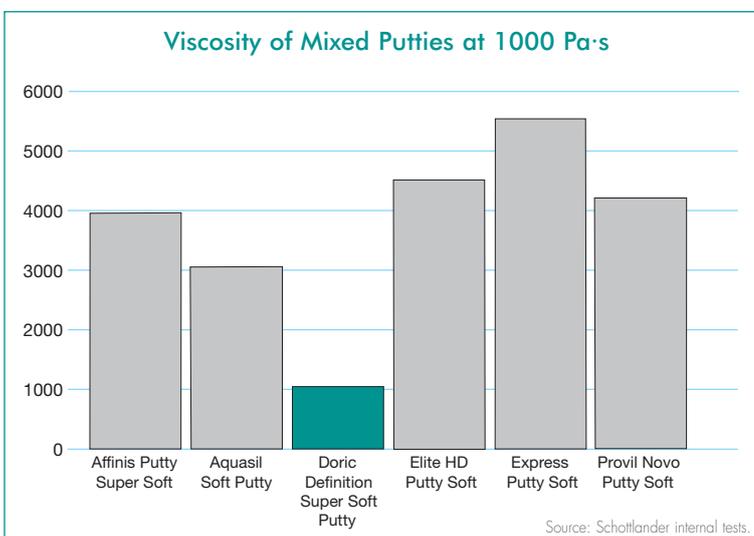
Softness

Softness

Doric Definition Super Soft Putty is a true super soft putty yet is not sticky. In fact it is as soft as is possible under ISO 4823 whilst still being definable as a putty.

The advantages of this super soft formulation are twofold:

- Gingival tissue not displaced so avoiding interference with the flow of the wash material.
- Easier and faster to mix till completely homogenous and so can be loaded into the tray faster.



... high definition

Control

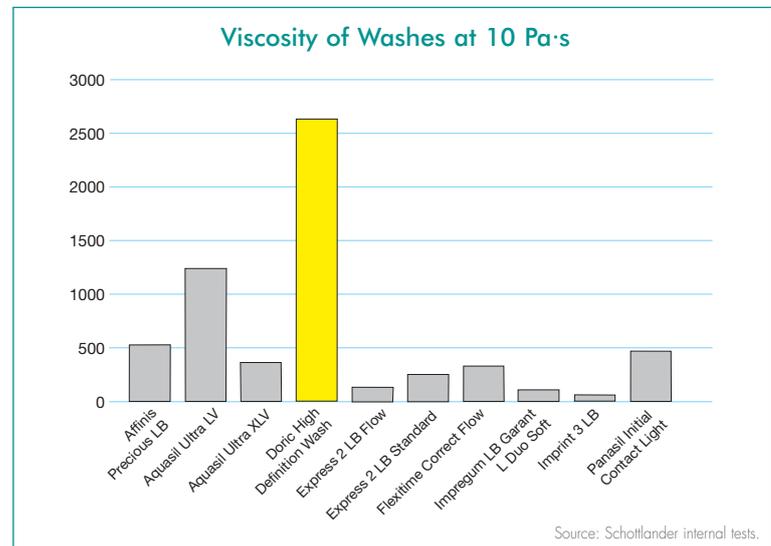


Control

There are many fluid wash materials available but this property on its own will not help you to achieve a more detailed impression. When these materials are placed round the gingival margins they can start to flow away from the critical areas before the tray can be loaded.

As can be seen from the chart below, of all the materials tested Doric High Definition Wash had the highest viscosity and flowed least under a force of 10 Pa·s (equivalent to being placed round the tooth but not loaded).

A wash material should have a high viscosity before force is applied.

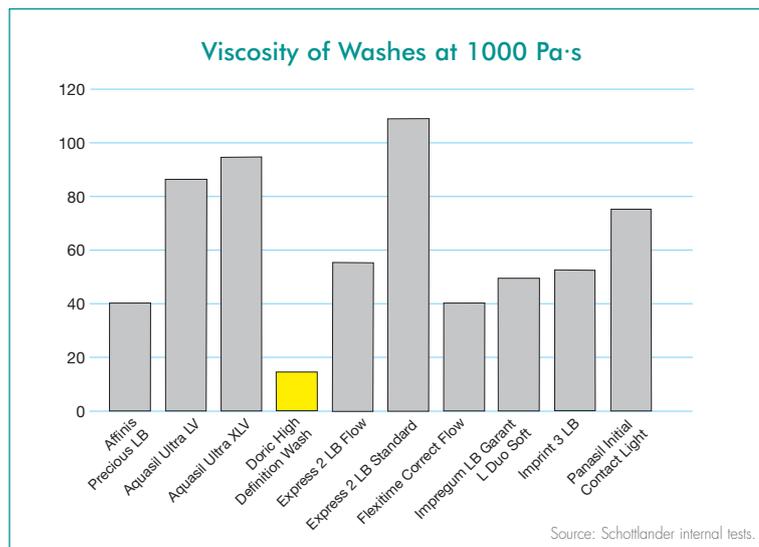


impressions seen in ...

Thixotropy

On the other hand, as can be seen on the chart below, under 1000 Pa·s load (equivalent to insertion of the tray into the mouth) it had the least viscosity and so flowed the most. This thixotropic property, coupled with its high performance in the Sharks Fin Test, ensures Doric High Definition Wash stays in position when placed, is easy to control but has optimum flow when needed.

On insertion of the tray the wash viscosity should be as low as possible.



Detail

Detail

Not being content to accept improved flow under dry laboratory conditions, we needed to scientifically measure its flow properties under moist conditions such as in the mouth. As part of the product design and development we have used a specialist test called the "Sulcus Fluid Flow Model" test that simulates conditions during actual impression taking. The results confirm that Doric Definition Super Soft Putty and Doric High Definition Wash also substantially out performs competitors in this real life simulation test.



Doric Definition Super Soft Putty and Doric High Definition Wash.

Sulcus Fluid Flow Model Results for 5mL/h Flow Rate	
Impression Material	Distance from sulcus base (mm) (mean values)
Doric Definition Super Soft Putty	0.51 (±0.11)
Doric High Definition Wash	0.51 (±0.11)
Affinis Perfect Putty Super Soft	0.64 (±0.11)
Affinis Perfect Light Body Wash	0.64 (±0.11)
Aquasil Soft Putty Regular Set	0.81 (±0.22)
Aquasil Ultra LV Fast Set Wash	0.81 (±0.22)

... high definition



Timing

The relationship between working time and minimum time in the mouth for Doric Definition is particularly favourable. With a working time of a generous 1 minute 45 seconds for both putty and wash there is plenty of time to load the materials into the mouth, even for bridge work. Both materials are fast setting with a time in the mouth of 2 minutes 15 seconds – a bonus for both patient and practitioner alike.

Suitable for All Impression Techniques

Doric Definition Super Soft Putty and High Definition Wash are suitable for both the single-stage impression technique (where the tray is loaded with the putty and inserted into the mouth over the light bodied material previously syringed onto the teeth and both materials set together) as well as the 2-stage impression technique (where the putty impression is recorded first and then a light-bodied material is used inside the putty). When using a 2-stage impression technique the use of the Doric Separator Wafer is recommended over the putty, then removed, to ensure adequate space for the light-bodied material.



Physical Properties

Properties

Indications

Classification EN ISO
4823:2000 + A1:2007

Colour:

Mixing accessories

Dosage: base:catalyst

Mixing time

Total working time*

Intraoral working time

Minimum time in mouth

Strain in compression

Recovery from deformation

Linear dimensional change

Shore-A hardness (after 24hr)

Compression set

Doric Definition Super Soft Putty

Primary impression material for the single & double impression technique.

Type 0:
Very high consistency - putty

Base: Aquamarine / Catalyst: White

measuring spoons

1:1

45 seconds

1 minute 45 seconds

-

2 minutes 15 seconds

~2.1

99.4%

0.4%

~63

0.6%

Doric High Definition Wash in cartridges

Wash impression material for use with Doric Definition Super Soft Putty.

Type 3:
Low consistency - light bodied

Base: Yellow / Catalyst: Yellow

12 each mixing and intraoral tips

1:1

-

1 minute 45 seconds

45 seconds

2 minutes 15 seconds

~4.0

99.65%

0.35%

~45

0.35%

* From start of mixing at 23°C.

Times and other characteristics are quoted at normal room temperature 23°C and normal relative humidity of air (50%). Higher temperatures shorten and lower temperatures prolong these times. Times and physical properties may be affected by hand/finger tip temperatures when kneading putty mixes, moisture contamination or contamination due to direct contact with impurities from gloves used in clinical practice or the presence of such contaminants on teeth at the time of the impression.

impressions seen in ...

doric definition

addition cured silicones



Presentations

Doric Definition Super Soft Putty

Single pack containing 1 base, 1 catalyst, 2 spoons.
Total 610ml

Code 051-1

Economy pack containing 6 base, 6 catalyst, spoons.
Total 3660ml

Code 051E

Doric Definition High Definition Wash

Single pack containing 2 cartridges of 50ml each,
12 each mixing and intraoral tips

Code 091-1

Economy pack containing 8 cartridges of 50ml each,
48 each mixing and intraoral tips

Code 091E

... high definition

schottlander

doric definition

addition cured silicones



impressions seen in
high definition



Davis Schottlander & Davis Ltd

Fifth Avenue, Letchworth Garden City, Herts, SG6 2WD England

Tel +44 (0)1462 480848 Fax +44 (0)1462 482802

Freephone 0800 97 000 79 Freefax 0800 97 000 78

e-mail: sales@schottlander.co.uk export@schottlander.co.uk

www.schottlander.com

schottlander