



[www.dentalline.gr](http://www.dentalline.gr)

Dental Impression Materials

**DentalLine**

G . D E V E R I K O S



## Company Profile



In 1980 our presence in dental market begins with the foundation of our first depot opposite the Dental University of Athens. A year later, we establish a second depot in Piraeus. Today, our central office is also located at the same building. Representing many well-known dental factories with quality products is not enough for us.

Some years later, after extended researches, Dental Line founds the first factory in Greece producing dental impression materials. The high quality and reasonable price of the products is the “ticket” to gain a big percentage of the Greek market and to successfully export to many countries, all over the world.

Believing in continuous evolution we always try to follow new technologies and innovations in our laboratories aiming not only to improve the quality of already existing products but also to add new in our range.

The years of experience, both in production and efficient service, combined with the quality and the prices have placed Dental Line among the leader producers of dental impression materials, worldwide.

# C-Silicones





New  
**Dentip**  
ORGANO POLYMER  
DENTAL IMPRESSION MATERIAL

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DENTAL IMPRESSION MATERIAL

# Dentplus®

Organopolysiloxane impression material of putty consistency. It is a new type of condensation silicone with excellent initial fluidity. The final impression being so hard and dense prevents the possibility of deformation achieving at the same time the greatest possible detail, using the double impression technique.

## Characteristics

- Excellent initial fluidity
- Green colour
- Spearmint flavour



- Ref. 1980
- Package: 900ml Used with Gel catalyst 60ml

## Advantages

- Mucous compression is reduced during insertion in mouth
- During the double impression technique Dentplus can be used as individual tray
- Suitable for provisional applications, bites and study models
- Perfect elasticity
- Minimal deformation
- Excellent final hardness

## Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time (from the beginning of mixing)
- Time in mouth
- Total time
- Shore A hardness
- Elastic recovery
- Compressive deformation

Putty consistency  
Type 0  
40 sec.  
1.15 min.  
  
1.15 min.  
2.30 min.  
70  
99%  
2,3%

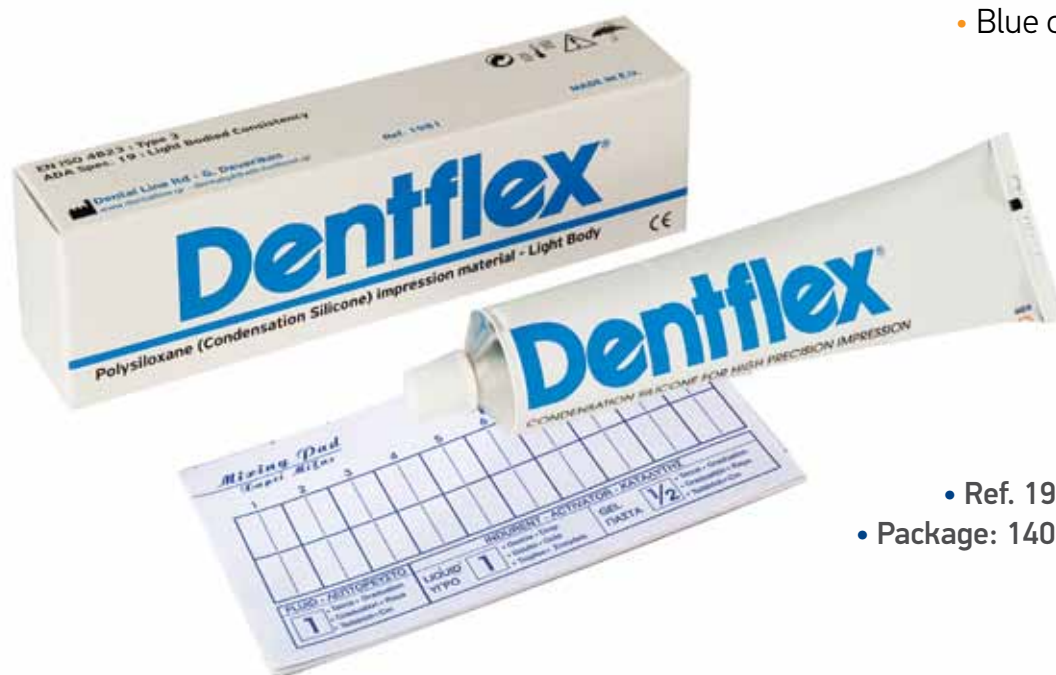


# Dentflex®

Condensation silicone of light body consistency. Infiltrates all parts necessary for double impression.

## Characteristics

- Hydrophilic
- Blue colour



- Ref. 1981
- Package: 140ml

## Advantages

- Flowable
- Very accurate
- Excellent reproduction of details

## Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time (from the beginning of mixing)
- Time in mouth
- Total time
- Elastic recovery
- Compressive deformation

Light bodied consistency  
Type 3  
45 sec.  
1.10 min.  
  
2.20 min.  
3.30 min.  
99%  
3,1%

# Dentorans®

Condensation silicone of light body consistency. Infiltrates all parts necessary for double impression.

## Characteristics

- Hydrophilic
- Yellow colour



- Ref. 1983
- Package: 140ml

## Advantages

- Flowable
- Very accurate
- Excellent reproduction of details

## Technical Data

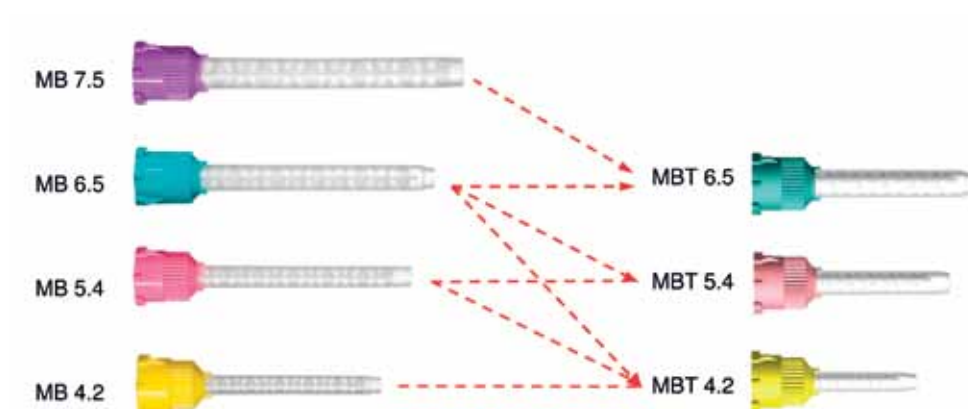
• Classification ADA19	Light bodied consistency
• Classification ISO 4823	Type 3
• Mixing time	30 sec.
• Working time (from the beginning of mixing)	1.10 min.
• Time in mouth	2.20 min.
• Total time	3.30 min.
• Elastic recovery	99%
• Compressive deformation	3,1%

# Dispenser 1:1 / 2:1

To be used with 50ml cartridges



## T-Mixers®





# A-Silicones



# IMAGE PVS<sup>®</sup>

## Jumbo Putty

Vinylpolysiloxane impression material of very high viscosity. Fast setting.  
Recommended for: two stage impression technique (double impression) or single stage impression technique (simultaneous).



### Characteristics

- Mixing ratio 5:1
- Hydrophilic
- Biocompatible
- Green colour

- Ref. 1011VJ
- Package: Syringe 380 ml + mixing tips

### Advantages

- Excellent reproduction of details
- High dimensional stability
- Excellent elastic recovery
- Bubble-free
- Scannable

### Technical Data

- Classification ADA 19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Putty consistency  
Type 0  
Automatic mixing  
30 sec  
1.30 min  
2.30 min  
60  
<0,2%  
3-5%  
99,8%

# IMAGE PVS<sup>®</sup>

## Putty Soft

Vinylpolysiloxane impression material of very high viscosity. Fast setting. Recommended for: two stage impression technique (double impression) or single stage impression technique (simultaneous).

• Ref. 1011V

- Package: Base 500 gr + catalyst  
Base 500gr + Catalyst 500gr

### Characteristics

- Mixing ratio 1:1
- Hydrophilic
- Biocompatible
- Yellow colour
- Tutti frutti flavour



### Advantages

- Excellent reproduction of details
- High dimensional stability
- Excellent elastic recovery
- Bubble-free
- Scannable

**Warning: Do not mix A-Silicones wearing rubber gloves. The sulphur inhibits curing through chemical reaction.**

### Technical Data

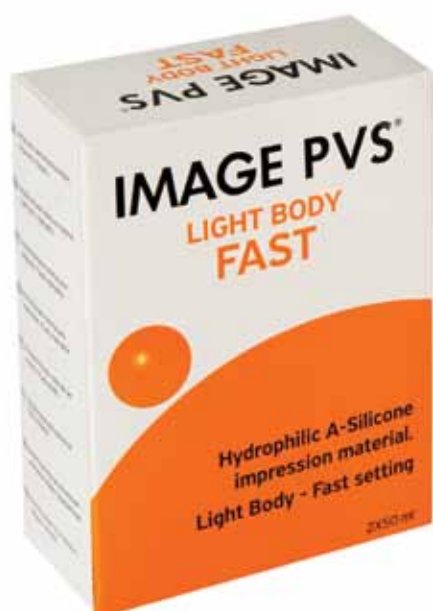
- Classification ADA 19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Putty consistency	Type 0
Mixing time	30 sec
Working time	30 sec
Time in mouth	1.30 min
Total time	2.30 min
Shore A hardness at 24h	60
Linear dimensional change	<0,2%
Strain in compression	3-5%
Recovery from deformation	99,8%

# IMAGE PVS®

## Light Body Fast

Vinylpolysiloxane impression material of low viscosity. Fast setting. Specially formulated for two stage technique (double impression).



### Characteristics

- Mixing ratio 1:1
- Thixotropic
- Biocompatible
- Orange colour

• Ref. 1013V

• Package: Syringes 2x50 ml + mixing tips

### Advantages

- High tear strength
- Excellent elastic recovery
- High dimensional stability
- Excellent reproduction of details
- Good release properties with organic resins and gypsum

### Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Light bodied consistency  
Type 3  
Automatic mixing  
1.30 min.  
1.30 min.  
3 min.  
53  
<0,2%  
3-5%  
99,8%

# IMAGE PVS<sup>®</sup>

## Super Light Body Fast

Vinylpolysiloxane impression material of low viscosity. Fast setting. Specially formulated for two stage technique (double impression).



### Characteristics

- Mixing ratio 1:1
- Thixotropic
- Biocompatible
- Purple colour

• Ref. 1018V

• Package: Syringes 2x50 ml + mixing tips

### Advantages

- High tear strength
- Excellent elastic recovery
- High dimensional stability
- Excellent reproduction of details
- Good release properties with organic resins and gypsum

### Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Light bodied consistency  
Type 3  
Automatic mixing  
1.30 min.  
1.30 min.  
3 min.  
53  
<0,2%  
3-5%  
99,8%

# IMAGE PVS<sup>®</sup>

## Light Body Normal

Vinylpolysiloxane impression material of low viscosity. Normal setting.  
Specially formulated for two stage technique (double impression).

### Characteristics

- Mixing ratio 1:1
- Thixotropic
- Biocompatible
- Green colour



• Ref. 1014V

• Package: Syringes 2x50 ml + mixing tips

### Advantages

- High tear strength
- Excellent elastic recovery
- High dimensional stability
- Excellent reproduction of details
- Good release properties with organic resins and gypsum

### Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

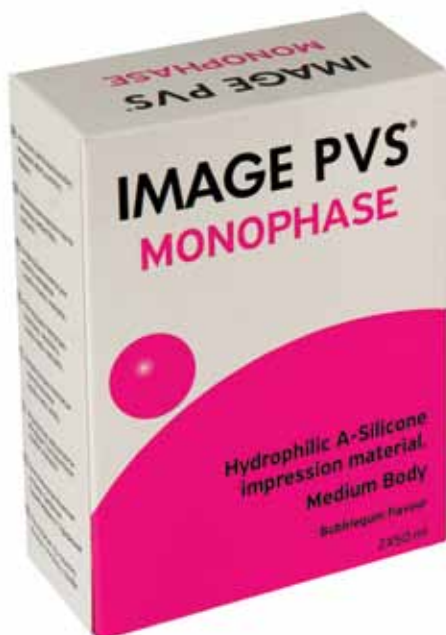
Light bodied consistency  
Type 3  
Automatic mixing  
2 min.  
2.30 min.  
4.30 min.  
53  
<0,2%  
3-5%  
99,8%



# IMAGE PVS<sup>®</sup>

## Monophase

Vinylpolysiloxane impression material of medium viscosity. Specially formulated for monophase technique. To be used both on tray and around the preparations. Ideal for implant impressions.



### Characteristics

- Mixing ratio 1:1
- Hydrophilic
- Thixotropic
- Biocompatible
- Pink colour
- Bubblegum flavour

• Ref. 1016V

• Package: Syringes 2x50 ml + mixing tips

### Advantages

- High tear strength
- Excellent elastic recovery
- High dimensional stability
- Excellent reproduction of details
- Very good mechanical properties
- Good release properties with organic resins and gypsum

### Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Medium bodied consistency  
Type 2  
Automatic mixing  
2.30 min.  
1.30 min.  
4 min.  
62  
< 0,2%  
3-5%  
99,8%

# IMAGE PVS<sup>®</sup>

## Jumbo Monophase

Vinylpolysiloxane impression material of medium viscosity. Specially formulated for monophase technique. To be used both on tray and around the preparations. Ideal for implant impressions.



### Characteristics

- Mixing ratio 5:1
- Hydrophilic
- Thixotropic
- Biocompatible
- Pink colour

- Ref. 1016VJ
- Package: Syringe 380ml + mixing tips

### Advantages

- High tear strength
- Excellent elastic recovery
- High dimensional stability
- Excellent reproduction of details
- Very good mechanical properties
- Good release properties with organic resins and gypsum

### Technical Data

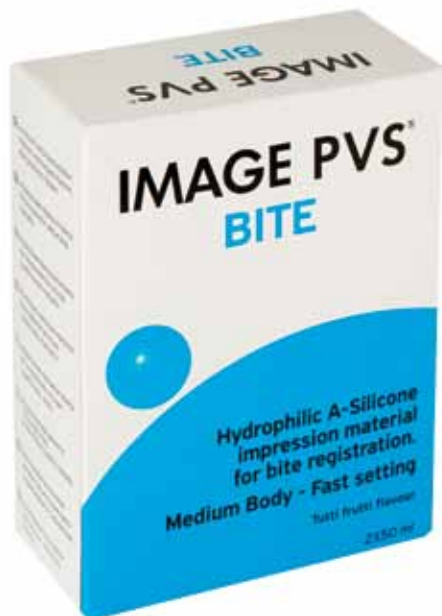
- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Medium bodied consistency  
Type 2  
Automatic mixing  
2.30 min.  
1.30 min.  
4 min.  
62  
< 0,2%  
3-5%  
99,8%

# IMAGE PVS<sup>®</sup>

## Bite

Vinylpolysiloxane impression material of medium consistency. Fast setting. Specially formulated for bite registration. Direct application onto teeth.



### Characteristics

- Mixing ratio 1:1
- Thixotropic
- Final hardness 95 Shore
- Blue colour
- Tutti frutti flavour

- Ref. 1015V
- Package: Syringes 2x50 ml + mixing tips

### Advantages

- It can be safely removed from patient's mouth without risk of fracture or breaking
- It does not get brittle if there is need to reposition
- It can be finished with scissors, scalpel or bur
- Bubble-free
- Easy trim
- Flowable and stable for accurate impressions

### Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Medium bodied consistency  
Type 2  
Automatic mixing  
45 sec  
1 min.  
1.45 min.  
95  
< 0,2%  
3-5%  
99,8%

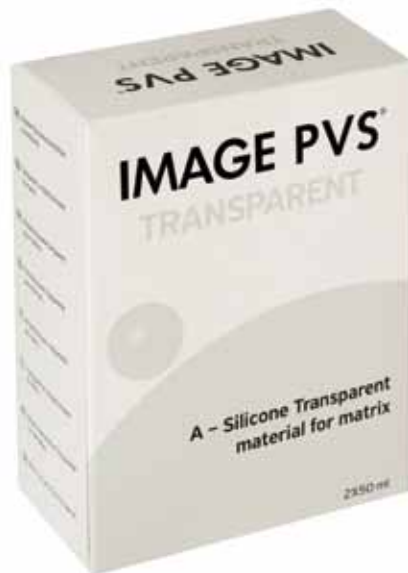
# IMAGE PVS<sup>®</sup>

## Transparent

Vinylpolysiloxane transparent impression material of medium consistency. Specially formulated for matrix. Direct application onto teeth.

Can be used as

- Matrix when preparing standard & light-cured temporary crowns & bridges
- Transmission band for orthodontic brackets in the direct technique
- Occlusal template for light-curing posterior composite restorations



### Characteristics

- Mixing ratio 1:1
- Thixotropic
- Hardness after setting 72 Shore A
- Clear colour

### Advantages

- Transparent, allows the polymerization of light curing and self-curing composites
- Accurate
- Dimensionally stable
- Easy to reposition in the mouth
- After setting, it can be finished with a knife, scalpel or bur

• Ref. 1017V

• Package: Syringes 2x50 ml + mixing tips

### Technical Data

- Classification ADA19
- Classification ISO 4823
- Mixing time
- Working time
- Time in mouth
- Total time
- Shore A hardness at 24h
- Linear dimensional change
- Strain in compression
- Recovery from deformation

Medium bodied consistency  
Type 2  
Automatic mixing  
30 sec  
1.30 min.  
2 min.  
72  
< 0,2%  
3-5%  
99,8%

# Alginate

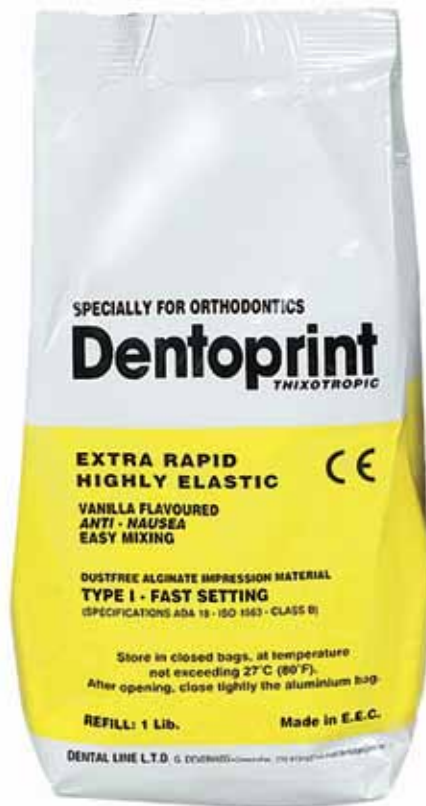


# Dentoprint®

Extra rapid dust-free alginate impression material.  
Specially for orthodontics. Fast setting.

## Characteristics

- Thixotropic
- Dust free
- Anti-nausea
- Vanilla flavoured
- Yellow colour



- Ref. 1987
- Package: bag 1lb

## Advantages

- Easy mixing
- Homogeneous consistency
- Big elasticity
- Good final hardness
- Lead & cadmium free

## Technical Data

• Mixing time	30 sec
• Working time (from the beginning of mixing)	1 min.
• Setting time	1.45 min.
• Recovery from deformation	99%
• Strain in compression	11,1%



## Alginates

# Dentalgin®

Alginate impression material. Normal setting



### Characteristics

- Thixotropic
- Dust free
- Strawberry flavoured
- Pink colour

- Ref. 1986
- Package: bag 1lb

### Advantages

- Easy mixing
- Homogeneous consistency
- Big elasticity
- Good final hardness
- Lead & cadmium free

### Technical Data

• Mixing time	30 sec
• Working time (from the beginning of mixing)	1.10min.
• Setting time	2.20 min.
• Recovery from deformation	99%
• Strain in compression	11,1%

# Algikrom<sup>®</sup>

Alginate impression material with chromatic indicator. Normal setting



## Characteristics

- Chromatic indicator
- Thixotropic
- Dust free
- Cherry flavoured
- Colour

**Yellow:** as a powder

**Fuchsia:** from the beginning of mixing

**Light orange:** when it is inside the mouth

**Yellow:** end of time in mouth

• Ref. 1988

• Package: bag 1lb

## Advantages

- Easy mixing
- Homogeneous consistency
- Big elasticity
- Good final hardness
- Lead & cadmium free

## Technical Data

• Mixing time	40 sec
• Working time (from the beginning of mixing)	1.20min.
• Setting time	2.20 min.
• Recovery from deformation	99%
• Strain in compression	11,1%

# Laboratory Silicones



# IMAGE PVS<sup>®</sup>

## Gingi Lab

A-Silicone for laboratory use. Specially formulated for preparation of gingival masks on implant prosthetic models. Hard Type.



### Characteristics

- Mixing ratio 1:1
- Pinky brown colour
- Scannable

• Ref. 1019V

- Syringes 2 x 50ml + separator liquid + mixing tips

### Advantages

- High dimensional stability
- Easy trim
- Great precision
- Suitable for implant prosthetics
- High final hardness
- Detailed reproduction

### Technical Data

- Working time
- Total time
- Shore A hardness after 1 h

2 min  
10 min  
72

# IMAGE PVS<sup>®</sup>

## Gingi Mask

A-Silicone for laboratory use. Specially formulated for preparation of flexible gingival masks on fixed prosthesis. Elastic Type.



### Characteristics

- Mixing ratio 1:1
- Gingiva colour
- Scannable

• Ref. 1020V

- Syringes 2 x 50ml + separator liquid + mixing tips

### Advantages

- High dimensional stability
- Easy trim
- Great precision
- Suitable for implant prosthetics
- Highly elastic
- Detailed reproduction
- For direct and indirect technique
- Perfect aesthetic results

### Technical Data

- |                             |         |
|-----------------------------|---------|
| • Working time              | 2 min.  |
| • Total time                | 10 min. |
| • Shore A Hardness after 1h | 45      |

# Labor Plus<sup>®</sup>

C-Silicone for laboratory use. Putty consistency. Specially formulated for duplication of denture moulds. For fixation of teeth, insulation of teeth and gypsum in the muffle, keys to occlusal recording.



## Characteristics

- Mixing with Activator Gel
- Grey color
- Scannable

• Ref. 1985

• Package : 5kgr + 2 gel catalyts of 60ml

## Advantages

- Exact detail reproduction
- Good final hardness
- No deformation
- High heat resistance (140°C)
- High dimensional stability

## Technical Data

• Mixing time	30 sec
• Working time	2 min.
• Setting time	5 min.
• Shore A Hardness (after 24h)	90



# IMAGE A-Lab<sup>®</sup>

A-Silicone for multi purpose laboratory use. Putty consistency. To be used for duplication of denture moulds and as control matrix for the design of metal structures. As occlusal regulation keys for positioning in articulators. Die in full dentures. For isolation and protection from high temperatures of dentures in flask.



- Ref. 1026V
- Package: 1kgr Base + 1kgr Catalyst
- Eco package: 5kgr Base + 5 kgr Catalyst



## Characteristics

- Mixing ratio 1:1
- Blue colour
- Scannable

## Advantages

- Excellent definition of details
- Very high final hardness (85 Shore A)
- No deformation in muffle
- Very high heat resistance (up to 200°C)
- Ideally elastic
- Very simple to use

## Technical Data

• Mixing time	30 sec.
• Working time	2 min.
• Setting time	4 min.
• Final hardness	85 Shore A
• Working time	At 23 C +- 2 C/ 73 F

**Warning: increased temperatures accelerate, decreased temperatures retard the indicated times.**

# IMAGE PVS Protect<sup>®</sup>

A-Silicone based, light body, insulating and modeling material. To be used for insulating dentures during investing to protect acrylics and acrylic teeth against plaster. Especially indicated for use with injection moulding techniques, suitable for techniques like SR-Ivocap system and flask pressure technique.



## Characteristics

- Mixing ratio 1:1
- Blue colour

• Ref. 1024V

- Package: 500gr Base + 500gr Catalyst

## Advantages

- Excellent stability
- Very high final hardness (75 Shore A)
- Optimum flow properties during spatulation
- Easy application

**Warning: increased temperatures accelerate, decreased temperatures retard the indicated times.**

## Technical Data

- Mixing time
- Working time
- Setting time
- Final hardness
- Working time

40 sec.  
3 min.  
10 min.  
75 Shore A  
At 23 C +/- 2 C/ 73 F

# IMAGE Duplicate 10<sup>®</sup>

A-Silicone for laboratory use. Specially formulated for duplicating models and low density investments. Plastic duplication muffle is suggested.

## Characteristics

- Mixing ratio 1:1
- Green colour



- Ref. 1021V
- Package : 1kgr Base + 1kgr Catalyst

## Advantages

- High fluidity
- No need of vacuum
- High precision
- Ideal reproduction of detail
- Great stability of dimensions
- Can be used with all plasters, phosphate investments and acrylic resins

## Technical Data

• Mixing time (manual)	1.10 min.
• Mixing time (with mixer)	40 sec
• Total working time	8 min.
• Setting time	20 min.
• Hardness Shore A (after 24h)	10
• Dimensional stability (after 24h)	-0.05%
• Tear strength	2.5 N/mm
• Elongation	380%
• Elasticity	99,95%

# IMAGE Duplicate 20<sup>®</sup>

A-Silicone for laboratory use. Specially formulated for duplicating models and low density investments. Plastic duplication muffle is suggested.

## Characteristics

- Mixing ratio 1:1
- Blue colour



• Ref. 1022V

• Package : 1kgr Base + 1kgr Catalyst

## Advantages

- High fluidity
- No need of vacuum
- High precision
- Ideal reproduction of detail
- Great stability of dimensions
- Can be used with all plasters, phosphate investments and acrylic resins

## Technical Data

• Mixing time (manual)	1.10 min.
• Mixing time (with mixer)	40 sec
• Total working time	8 min.
• Setting time	20 min.
• Hardness Shore A (after 24h)	20
• Dimensional stability (after 24h)	-0.05%
• Tear strength	5 N/mm
• Elongation	550%
• Elasticity	99,95%

# IMAGE Duplicate 30<sup>®</sup>

A-Silicone for laboratory use. Specially formulated for duplicating models and low density investments. Plastic duplication muffle is suggested.

## Characteristics

- Mixing ratio 1:1
- Purple colour



• Ref. Ref. 1023V

• Package : 1kgr Base + 1kgr Catalyst

## Advantages

- High fluidity
- No need of vacuum
- High precision
- Ideal reproduction of detail
- Great stability of dimensions
- Can be used with all plasters, phosphate investments and acrylic resins

## Technical Data

• Mixing time (manual)	1.10 min.
• Mixing time (with mixer)	40 sec
• Total working time	8 min.
• Setting time	20 min.
• Hardness Shore A (after 24h)	30
• Dimensional stability (after 24h)	-0.05%
• Tear strength	5 N/mm
• Elongation	350%
• Elasticity	99,95%



# DentalLine

G . D E V E R I K O S

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Manufacturing of dental impression materials

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