

# Consiflex®

## Condensation-cure silicone impression material

### Prescription

**Consiflex type 0** used in prosthetic dentistry to obtain anatomical impression and the base layer in two-layer technique (two-stage or one-stage) impression in cases with reduced pliability underlying tissues.

**Consiflex type 1** used in prosthetic dentistry to obtain anatomical impression and pre-layer in two-layer technique (two-stage or one-stage) impression in cases with significant underlying tissue pliability.

**Consiflex type 3** is used as a correcting layer for functional impressions (in the two-layer technique and two-mixture impressions) in the manufacture of ceramic-metal-cast and metal-plastic dentures.

### Characteristics

**Consiflex type 0** and **Consiflex type 1** is a plastic silicone composition (type 0 and type 1 ISO 4823), **Consiflex type 3** is a low viscosity silicone composition which is vulcanize by polycondensation reaction.

Material supplied with the basic paste and the catalyst gel which is mixed immediately before use.

Working time of the impression material range from + 25°C to + 18°C temperatures is 1 minute; the vulcanization time in the oral cavity is not more than 6 minutes. At the end of the vulcanization time is formed elastically flexible impression.

**Consiflex type 0** and **type 1** are well fixed in a perforated impression tray, for a long time retains their dimensions, with him firmly connected flavoring layer low-viscosity silicone material (**Consiflex type 3**).

**Consiflex type 3** thanks to his properties provides a impression with high accuracy up relief of hard and soft tissues of the oral cavity, without braces and distortion.

**Consiflex type 3** has a small stable shrinkage, which is almost entirely offset by the expansion of the gypsum in the casting model. By one impression can produce a several gypsum models identical accuracy during 6 or 7 days.

**Consiflex** materials are not toxic, do not irritate the mucosa and not cause reflex reactions.

	Type 0	Type 1	Type 3
Mixing ratio: basic paste / catalyst	1:40 14,0 r/0,35 gr	1:40 14,0 gr/0,35 gr	1:10 10,0 gr/1,5gr
Mixing time	Max. 40 sec	Max. 40 sec	Max. 40 sec
Curing time	4:00 – 5:00 min	4:00 – 5:00 min	3:00 – 4:00 min
Minimum time of impression in the mouth	4:00min	4:30min	3:30min
Recovery after deformation	More 98 %	More 98 %	More 98 %

### Mode of application Consiflex type 0 and type 1

When you get impression by a high-viscosity paste or correcting impression the tissue of prosthetic bed should be thoroughly rinsed and dried (mouth, alveolar ridges and teeth). In the preparation of the material and getting the impression we recommend using (nitrile) medical gloves. The main pasta gaining by slow movement of the measuring spoon to a wall jars, remove excess with a spatula flush with the edge of the measuring device (one dose

contains 14 gr of the paste) and then make a mark circumference dipstick.

Next, from tube is extruded a catalyst gel like a roller with length equal to approximately one diameter of measuring device. When dosing double quantity of main paste to mark measuring device is metered double the amount of catalyst gel (two measuring tank diameter). Dosage gel gently spread over the surface of the main paste by lancet or spatula. Mix the ingredients with your fingers until

you get a homogeneous color (max 40 sec). The obtained mixture was quickly placed in the impression tray and introduced into the oral cavity; the jaws are brought together and form the edge of the impression.

Annotation. Note that when the amount of the catalyst gel or with increasing temperature room more than 24°C working time of the impression material decreases.

After 4-5 minutes the material loses plasticity, gaining elasticity and stiffness. It is a sign of ready impression. After confirming completion of vulcanization of the impression it is removed from the oral cavity, washed by cold running water and dried with compressed air from the dental unit. Anatomical impression after 5 minutes, treated with disinfectant (glutaraldehyde, sodium hypochlorite) and used for its intended purpose.

For get double-layer impression in accordance with the prescription and the appointment of the impression using a low viscosity (type 3) impression material.

Beforehand impression after drying crop in places where it is necessary to reduce the compression cleaned badly worked fine details of impression.

Annotation. The optimal time of casting models from 30 minutes to 72 hours after vulcanization of the material. However, thanks to good dimensional stability of the impression and low shrinkage properties of the material can be cast model after 7 days after receiving the impression.

When casting metal mold or combined models impression have to be dried with compressed air.

### Mode of application Consiflex type 3

Before applying **Consiflex type 3** get beforehand impression from silicone impression material of high viscosity **Consiflex type 0** - for cases with low compliance of the underlying tissue or **Consiflex type 1** - for cases with significant tissue pliability. The impression is made as described above.

Before handed impression after washing by water and drying in the right places are cut, trimmed places, subject to registration of low-viscosity material, and then proceed to the manufacture of correcting layer. The main paste is extruded from a tube like uniform width strip on a glass plate or a sheet of a mixing pad, here is parallel to the main strip of paste squeezed from a tube the strip of catalyst gel strip whose length is equal to half the length of the main strips of pasta. For ease of mixing can be placed main paste and catalyst gel in several parallel stripes.

Dosages components vigorously and thoroughly

mixed by a spatula during 30 - 40 seconds until a homogeneous color. The ready mixture is applied to a prepared beforehand impression, is introduced into the oral cavity, formed edge of the impression and leave to cure for 4 - 6 minutes.

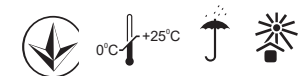
After checking (by the touch) of completeness of the curing of the impression take out spoon from the oral cavity and rinsed impression by cold running water. After 5 minutes the impression can be treated with a disinfecting solution (glutaraldehyde, sodium hypochlorite).

Annotation. In the manufacture of the two-mixture impression beforehand impression doesn't do. Impression get by consistent preparation and laying in the impression tray high viscosity silicone material **Consiflex type 0 (type 1)** and a low-viscosity **Consiflex type 3**, as described above. The working surface of the impression **Consiflex type 3** has a hydrophilic, so that it is well moistened gypsum slurry in casting models.

If necessary long-term storage of the impression (over 2 days), it is placed in a glass jar with a tight cover, on the bottom of which lay a piece of bandage, moistened with ethyl alcohol.

### Labeling

The  symbol on the package show expire date.



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