



Odontosil

Product description:

A clear-transparent, especially tear resistant, addition-vulcanising silicone in double cartridges for the production of orthodontic appliances. Due to the platinum hardener system it shows practically no shrinkage, the appliance is exact and stable and shows an excellent, checked biocompatibility (contains no peroxide). As a result of the treatment with Odontosil positioner the teeth are placed into the correct position. The Odontosil Finisher is at the same time also a positioner and keeps the teeth in the requested position. The conventional indirect method of wax modelling in a flask is also possible as well as the modelling directly at the Set-up. Due to the vulcanisation of Odontosil at room temperature and the thixotropic consistency the faster, direct modelling is possible. Odontosil is a clear-transparent material; though the coating with Odontosil Lacquer the surface can be sealed. Final harnesses of 50 and 60 Shore A are available and can be combined among each other within one workstep.

The field of indication comprises elastic final appliances for the fine adjustment of the teeth after multibanded mechanotherapy, the retention after movement of the teeth and due to its high elasticity a movement of the teeth also without a previous multiband-technique. For this reason the Odontosil positioner becomes an active appliance with a comprehensive field of application (for grinding the special Odontosil grinding caps and for the final glance the Odontosil Lacquer are recommended).

Odontosil vulcanises by mixing the two components. Temperature is not necessary but can accelerate the polymerisation.

Technical data:

	Odontosil 50	Odontosil 60
Total processing time	5 ± 0,5 min.	
Deflasking	30 ± 2 min.	
Setting end	approx. 120 min.	
Consistency	type 2 – medium consistency	
Deformation under pressure	< 4,0 %	< 4,0 %
Retention after deformation	> 99,5 %	> 99,5 %
Colour	transparent	transparent

Preparation of the model:

Production of a Set-up-model. For this purpose teeth resp. jaw segments from the situation model are detached, changed according to the statement of the dentist and afterwards connected with the model in the requested position. The Set-up-model is fixed together with the counter bite in the articulator or occluder. The production of a positioner requires a disconnection of the jaws among each other for approx. 2,5 – 3,0 mm, but the habitual occlusion of the patient should not be exceeded.

Processing instruction:

Direct Method

Open the articulator with the Set-up-model and apply Odontosil in the requested layer thickness onto both dental arches as well as onto the gingiva parts up to the reflection (oral, buccal, occlusal) by means of the Injector and mixing canulas. Afterwards close the articulator and smooth the Odontosil surface carefully with the finger moistened with soap. The polymerisation is effected at room temperature. To avoid bubbles in the silicone the polymerisation can also be effected under pressure (at least 3 bar). After the polymerisation (approx. 30 minutes) the positioner is released from the model, the edges are cut with a scissors and afterwards put into the final form and strength with special Odontosil grinding caps. For the homogenisation of the positioner surface a coating with Odontosil Lacquer is recommended (see instruction). The coating also takes place at room temperature in approx. 30 minutes.

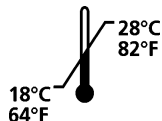
Indirect method

A plaster duplicate of the modelled Set-up-model is produced and articulated. Onto this duplication models the positioner is modelled into its final form and strength with wax. The wax positioner is embedded with plaster into a brass flask and after hardening boiled out in the Labormat. The hollow form should be coated with a alginate-insulation (Isolat film). Apply Odontosil by means of the Injector directly into the flask. In order to achieve an exact air bubble free the closed flask should be stored under pressure of 3 bar. This pressure should be hold up until the end of the vulcanisation time (approx. 30 minutes) as e. g. with a flask clamp. After the deflasking the finished positioner and the removal of possible plaster surplus Odontosil Lacquer can be applied for the sealing of the surface. At room temperature the vulcanisation time of the lacquer is about 30 min.

Important advice:

- Due to filling reasons an uneven transportation of the components can occur when using new cartridges. For this reason the first transported quantity in the size of a peas should be thrown away.
- Never transport against a hardened mixing canula. This could lead to leakiness in the cartridge system and therefore to an emission of unmixed, non-hardened single components.
- Wear protective clothing! The cleaning of silicone dirtying on the clothes is not possible (also not chemical).
- Sensitive persons can show allergic reactions to one of the product components.
- A disinfection with all commercial materials is possible.
- The vulcanisation can be disturbed by using latex gloves, hand creme, cleaning agents etc..
- The product is exclusively designed for the a. m. field of application and is only to be used by qualified and instructed persons.
- The general information of this product is based on detailed application practice and intensive research work. Due to further development we reserve the right of modification.

Storage conditions:



Shelf life:

2 years, see imprint on the cartridge

item no. 5038150	Odontosil 50 2 x 50 ml double cartridges, incl. 12 mixing canulas, green
item no. 5038229	Odontosil 50 8 x 50 ml double cartridges
item no. 5038160	Odontosil 60 2 x 50 ml double cartridges, incl. 12 mixing canulas, green
item no. 5038227	Odontosil 60 8 x 50 ml double cartridges
item no. 38231	Odontosil lacquer, 50 ml bottle

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