

Directions for Use

Scannable & syringeable A-Silicone for construction of gingival masks for CAD/CAM technology

For the manufacture of fixed partial dentures the morphology of the gingiva is an essential reference to prevent functional and esthetic problems. Oxford Gingiva SCAN is a gingival mask for CAD/CAM technology based on addition curing vinyl silicones. It is delivered in AUTOMIX-cartridges and can be extruded directly and without any bubbles into the mould. Therefore a fast and simple manufacture of the gingival mask is possible.

Oxford Gingiva SCAN supplies the essential data to the dental technicians for the determination of the cervical contours and the extreme limits for preparation of the fixed dentures. Because of its great transversal strength Oxford Gingiva SCAN can be easily removed from the gypsum model without tearing. During the manufacture of the fixed denture, it is possible with Oxford Gingiva SCAN to locate and prevent the pressure onto the gingiva, which comes from the construction of the fixed denture. Therefore, it can prevent possible inflammations of the parodontium.

Preparation of the AUTOMIX-Cartridge

First Scientific Dental Materials GmbH only recommends for Oxford Gingiva SCAN the use of mixing cannulas type Oxford Mix TIP(O), pink.

Mount the cartridge into the application gun. Remove and dispose the closure-cap. For exact flow control extrude slightly material until uniform flow from both orifices is achieved. Install the mixing cannula onto the cartridge and extrude needed material.

Note:

Store used cartridge with fixed used mixing cannula. **Do not re-use the cartridge cap.** Closing the cartridge by turning on the cap between use could cause cross contamination of components and thus premature setting.

Preparation of the removable gingival masks

- a) Prepare the gypsum model as usual.
- b) With a suitable addition curing or condensation curing impression material with a high Shore-A hardness make an impression of the relevant part of the jaw. After complete setting of the impression material, the silicone impression can be removed.
- c) The regions of the model that shall be reproduced by Oxford Gingiva SCAN were reduced by milling. This should be done under consideration of the extreme limits for preparation. Take care to remove enough material to ensure a sufficient thickness of the Oxford Gingiva SCAN layer.
- d) The silicone impression, prepared according b) serves - in conjunction with the trimmed gypsum model – as mould for the preparation of the gingival mask. By removing of the gingival contours it originates a space between the silicone impression and the model. This space has to be filled with Oxford Gingiva SCAN for preparation of the gingival mask. For preparation of the mould two small holes were drilled side by side through the silicone part of the mould. One hole is a channel for injection of the Oxford Gingiva SCAN, the other one serves as air vent channel.
For an accurate and easy separation between the gingival mask and the silicone part of the mould, the silicone mould should be wetted inside with Oxford Separator.

If a **condensation-curing silicone** was used, application of Oxford Separator is recommended.

If an **addition-curing silicone** was used for preparation of the silicone mould, it is **necessary** to wet the silicone mould inside with Oxford Separator.

Put the silicone mould back on the model and fix it.

Inject Oxford Gingiva SCAN through the injection opening of the mould until the first material comes out through the air vent channel.

Working time: 1:30 min.* (23°C, 74°F)

Setting time: 7 – 8 min.* ((23°C, 74°F)

***from start of mixing**

After removing of the silicone impression the gingival mask remains on the trimmed model, which reflects the form of the gingival borderline. Cut the retentions of the inlet and outlet channels and remove any excess material carefully with scalpel or scissors.

Based on the prepared mask on the model the prosthetic work can be start.

Storage

Do not store above 25 °C (77 °F). Do not use after expiry date.

Additional note:

Do not use Latex or sulfur-containing polymeric gloves, they may interfere with the setting reaction of A-Silicones.

Warranty

First Scientific Dental Materials GmbH warrants this product will be free from defects in material and manufacture. First Scientific Dental Materials makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusively remedy and First Scientific Dental Materials' sole obligation shall be repair or replacement of the First Scientific Dental Materials product.

Limitation of Liability

Except where prohibited by law, First Scientific Dental Materials GmbH will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

Keep away from children!

Only for use by dentists and dental technicians!

Caution:

Federal law restricts the sale of this device to or by the order of a dentist.



Manufacturer:

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