

Application:

All types of dental models (master models, die cutting models, isolated die, partial models, dental documentation and prototypes).

Properties

- Excellent superficial aspect even after cutting or milling (smooth surface)
- Waterproof, inert, resistant and easy glow recovery.
- Easy to manipulate and to work with, time of solidification only 30 minutes.
- 36 times harder than a cast and the hardness may double.

INSTRUCTIONS OF USE

IMPORTANT

BEFORE OPENING THE PRODUCT: To use NOVOX is indispensable to dry properly all containers, moulds and instruments. Ignoring this recommendation may result in contamination of the product, exempting supplier from any liability.

Mixing components:

- Clean and dry the impression with blast of air.
- It is necessary to mix Novox Base to homogenize, as it is normal if some particles are sedimented. Mix it with a properly dried plastic spatula for 30 seconds.
- Once the previous step is done, place it in a measuring cup the amount of Novox Base that will be used in the model and add the amount of NOVOX Dye you think that is necessary, mixing until reach the desired colour. Recommended Quantity: 1 drop per 10 ml.
- After that, using a dosing syringe take the quantity of Novox Activator, following the indicated proportion, and add it to the Novox Base in the measuring cup, mix it for 20 seconds.
- Immediately, drop the content in a pattern using a vibrator to avoid the creation of air bubbles in the model. Wait 30 minutes and ready. Remove from the pattern.

Proportion of use:

For each 10 ml of Novox Base add 2.7 ml of Novox Activator.

Recommendation:

Use a total of 20 to 40 ml per work, according to the size of the arch.

Making a master model or complete Arch:

- Clean and dry the impression with blast of air and cotton.

IMPORTANT

Remove all residue of water or humidity before pouring on the pattern.

- As the Novox is extremely fluid when necessary close the pattern with wax or molding paste so the liquid does not flow out of the possible gaps.
- Mix the components as described in the item "Mixing components" and drop the liquid in the impression, taking care to fill one element at a time to avoid the formation of air bubbles.
- Wait 30 minutes to dismantle.
- The total solidification and maximum resistance are obtained after 30 minutes.
- Proceed just like with the plaster to cut or adjust the Novox model, use saw, diamond discs and tungsten drills. You will note that it has a lot of advantages comparing with plaster models.

The NOVOX was developed to be used with polycondensation and polyaddition silicone impressions.

IMPORTANT

- Never use Novox in alginate or hydrocolloid impressions.
- The storage temperature of NOVOX Activator should not be less than 18°. If detected by shaking the bottle that the content is not fluid, the NOVOX Activator is crystallizing. We can recover to its normal state placing it in bain marie for approx. 5 min.
- After each utilization, the Novox container must be kept always closed and in a dry and humidity-free place.
- To maintain the properties of the product, use always stainless or plastic spatulas, wood spatulas after washing always keep some vestige of humidity and may contaminate the product.



Warning

Base and Activator

Causes eyes, skin and respiratory system irritation, do not ingest, keep out of reach of children.

Activator

Harmful by inhalation.

Handling and personal protection

Ensure good ventilation. Instruct the staff of the risks presented by the product, the precautions to be respected and the actions to be taken in case of an accident. Avoid exposing the product to people who suffer chronic respiratory infections and those who have had allergy to the isocyanates.

Wear appropriate personal protective equipment (safety glasses and gloves).

Wear protective masks if the place of manipulation is not well ventilated. The product does not cause irritation or awareness if used as specified.

Safety glasses

Protective Gloves (PVC)

FIRST AID

Immediately remove any clothing soiled by the product

Symptoms of poisoning may even occur after several hours, so a medical observation is required at least 48 hours after the accident.

In the case of:

- Inhalation: breath fresh air, if necessary, artificial respiration.
- Skin contact: remove all the product with paper and then wash with soap and water.
- Eye contact: remove all the product with paper and then rinse thoroughly.
- Ingestion: Do not provoke vomit. Any discomfort due to the use of the product, consult the doctor.

Safety Data Sheet for this product can be obtained at:

www.dynamicabutment.com

In case of doubt or emergency, call:

+34 973 28 95 80

Physical properties

	Novox Base	Novox Activator	Mixed
Composition	alcoholic Polymer	Mix of organic components	
Mixing ratio by volume	10 ml	2.7 ml	
Mixing ratio by weight	10g	2g	
Aspect	Liquid	Liquid	Liquid
Colour	White	Amber	White

Mechanical properties at 23°C ⁽¹⁾

	ISO 868-85	Shore D	80
Hardness	ISO 178-93	MPa	5.000
Elasticity in flexure	ISO 178-93	MPa	50
Bend Strength	ISO 527-96	MPa	24
Traction resistance	ISO 604-97	MPa	62
Compression resistance			

⁽¹⁾: Mean values obtained in standardized samples / Solidification 7 hours at 23°C

Specifics properties

Time mixing Novox base + Activator	Manually 30 seconds With the mixer 15 seconds
Working time	2 minutes
Solidification time	30 minutes
Linear shrinkage (until 50 mm thickness) ⁽²⁾	0,0%
Linear expansion (until 50 mm thickness) ⁽²⁾	0,0%

⁽²⁾ as in the dental models the dimensions of the dental elements are smaller than 50 mm, there is not enough material to cause a considerably exothermic reaction, so the contraction and expansion is negligible and tends to be zero.

Content

Novox Base: 1 kg / 610 ml

Novox Activator: 200 g / 164 ml

Syringe: 10ml

Measuring cup: 50 ml

Transport conditions

There are no specific conditions of transport. It is not dangerous, according to its technical sheets.

Storage conditions

Store in a completely dry, dark and ventilated place, and in its original closed container at between 24 and 36°C of temperature. Once opened keep it hermetically closed and in its original containers in a fresh and ventilated place free of humidity. Protect from light and humidity

Disposal of waste

Nonbiodegradable product.

Do not dispose in household garbage or sewage. Eliminate the product through incineration or appropriate landfill.

European waste catalog:

May 8, 01. Residual isocyanates

Guaranty

The information on datasheet is based on our current knowledge and on the results of tests conducted under controlled and precise conditions. It is responsibility of the User to determine the suitability of Novox if using in different conditions from those described. Talladium España, S.L. refuses any guaranty regarding the compatibility of these products with different applications than the described herein. Talladium España, S.L. is not responsible for damages of any incident resulting from the incorrect or reckless use of this product.



www.dynamicabutment.com

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