



Duplicating Material

ENGLISH

INSTRUCTION FOR USE

General Information

SternTek® Duplicating Material is a pourable duplicating material based on a silicone, which is characterized by high dimensional accuracy and precise reproduction of detail. Its high elasticity and high tear resistance also guarantee easy removal of the model from SternTek® Duplicating Material. The excellent reproduction of detail and dimensional stability of duplicating moulds fabricated using SternTek® Duplicating Material ensure optimal duplicating results, even after months or several pouring procedures.

SternTek® Duplicating Material meets the requirements of ADA Spec. No. 20, ISO 4823:1992, Type 3

Advantages

- Records finest details
- 1:1 Mixing ratio
- Extreme precision
- Does not stick to metal
- High tear resistance
- Releasable by compressed air
- High elasticity
- Molds can be stored dry

Indication

For fabricating stone and investment duplicate models.

Recommended Use

1. Place the model in a standard duplicating flask. The model should not be soaked in water before duplication and should be at room temperature.
2. Shake the bottles of SternTek® Duplicating Material thoroughly before use. Mix the catalyst and base in a ratio of 1:1 for approximately 30 seconds and mix until the material has a uniform, homogeneous color. SternTek® Duplicating Material is particularly suitable for manual mixing, though a vacuum mixer is recommended for mixing to ensure a consistent quality of the duplicate moulds. Approximately 100 g to 200 g of duplicating material is required per duplication, depending on the size of the model.
3. Pour the duplicating material in a thin stream and always onto the same area of the model within 4 minutes.
4. The model can be removed from the mold after a setting time of 30 minutes.
5. Allow the duplicating mold to sit for a further 30 min. before pouring with standard stone or investment material to ensure elastic recovery of any distortion that occurred when removing the model. Adhere to the respective manufacturer's instructions for use. If the duplicating molds are to be used several times, allow a minimum of 30 min. between each duplication procedure.

Please Note

- SternTek® Duplicating Material must be thoroughly shaken before use.
- The caps are color coded (catalyst white, base red) to prevent mixing them up and contaminating the contents of the bottle.

Interactions

Do not use in conjunction with condensation cured silicone.

Avoid contact with organic solvents or fluids containing solvent, as they could cause expansion of the material, which may lead to inaccuracy. Do not store SternTek® Duplicating Material close to solvents or volatile monomers, as steam absorption may lead to expansion.

Do not use with latex gloves.

Side Effects

Side effects are not known to date. In singular cases, hypersensitivity to components of the material cannot be excluded.

Technical Data

| | | |
|-------------|--------------|---------|
| Regular Set | Mixing Ratio | 1:1 |
| | Mixing time | 30 sec. |
| | Working time | 4 min. |
| | Setting time | 30 min. |

Composition

Vinylsiloxane, silicon dioxide, pigments, additive, platinum catalyst.

Storage

Store in a dry place at a normal room temperature (15-25° C / 59-77° F). Do not use after expiration date.

Packaging

Regular Set

SternTek® Duplicating Material, Regular Set
2 bottles (catalyst and base)
@ 1 liter each

REF 222011

SternTek® Duplicating Material, Regular Set
2 bottles (catalyst and base)
@ 5 liters each

REF 222012

Keep away from children. For dental use only!

Caution: Federal (USA) law prohibits this device to sale by or on the order of a dentist (or properly licensed practitioner).

| Symbol | Used For | Symbol | Used For |
|--------|---|--------|--|
| | Do not reuse | | Used by YYYY-MM-DD or YYYY-MM |
| | Batch code | | Manufac- turer |
| | Sterilized using irradiation | | Symbol for Non-Sterile |
| | Symbol for "Use by Prescription only" | | Caution, consult ac- companying documents |
| | Symbol for "European Conformity" | | Catalog number |
| | Authorized representa- tive in the European Community | | |

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