

Renfert launches a specific model isolation for printed models

SIMPLEX model isolation: Ultra-fine separating layer for 3D printed models

Renfert adds a new separating agent for printed models to its portfolio in the field of model printing. SIMPLEX model isolation is designed with a special formula for models that have been produced using the FFF/FDM or SLA/DLP printing process. It forms an ultra-fine insulating layer on the model surface, which ensures clean separation when producing objects from dental resin.

Proper isolation is half the battle.

When an object made of dental resin is to be manufactured on a resin or filament printed model, the isolation plays a decisive role. And while isolating plaster from resin works well on a plaster model, 3D printed models are a challenge. Precise separation requires a special isolating agent to separate resin from resin – simply put: SIMPLEX model isolation.

A gentle and effective approach to precise surface reproduction

With SIMPLEX model isolation, objects can be easily fabricated from dental resin on the printed model. An even, ultra-fine film of isolating agent is applied on the surface of the model using a brush. This results in a clear separation between the model and the dental resin. After polymerization, the workpiece can be easily removed from the model, maintaining all surface details. As isolation is facilitated by an ultra-thin layer, highly precise fabrication is possible.

Simple and convenient to use

SIMPLEX model isolation is gentle and effective. This ready-to-use isolating agent does not trigger any chemical reactions on contact with resin. The isolating agent is fully soluble in water so that it does not need to be removed using steam – this saves time and prevents damage to the material.

A simple solution with a big impact

The separating agent developed for 3D printed models SIMPLEX model isolation bridges the gap in the digital workflow. As usual with Renfert products, high attention has been paid to convenient and safe application of the model separating agent. After just one application and drying for a short period, the thin film of isolating agent already ensures perfect separation. The result is unmistakably Renfert: “making work easy”.

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