

Renfert's SIMPLEX model isolation

Universal separating agent for all 3D printed models

Renfert (Hilzingen) is offering an extended range of applications for SIMPLEX model isolation, the universal model isolation for 3D-printed models. Originally developed for use with filament-printed models (FFF/FDM), the separating agent has also proven to be very effective with models printed using other methods (DLP, SLA) - making it the ideal solution for all types of 3D-printed models.

Dental 3D printing has revolutionized model fabrication. To combine digital model production with analog production steps, small aids such as SIMPLEX model isolation are essential. This isolating agent enables a clean separation between the printed model and dental resins such as auto- and cold-curing polymers (e.g. PMMA). Whether printed using filament or photopolymer resin - extensive market tests have shown that model isolation works effectively and can therefore be used universally. We tested many different resins produced by various manufacturers as well as the model filaments of the SIMPLEX family (Renfert). SIMPLEX model isolation is gentle and effective. This ready-to-use isolating agent does not trigger any chemical reactions on contact with resin. The separating effect is achieved with a wafer-thin layer ensuring a highly precise fabrication. After just one application and drying for a short period, the thin isolating film already ensures perfect separation. After polymerization, the workpiece can be easily removed from the model, maintaining all surface details. Since SIMPLEX model isolation is completely water-soluble, there is no need for steam-cleaning. Any excess is simply rinsed off with water.

The universal formulation of SIMPLEX model isolation ensures excellent compatibility with 3D-printed filament and resin models and is free from harmful substances. Its application is easy and takes little time. The result is unmistakably Renfert: "making work easy".

1,973 characters

More information

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