

„FREEFORM® plast and fixgel excel through optimal dispensing, precise application and durability“

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FREEFORM® plast & gel

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DETAX©Presseservice

Ready-to-use modelling resin, kneadable, light-curing, radiotransparent

FREEFORM® plast is a light-curing, transparent and well pliable resin which is supplied in a practical, re-sealable and opaque tin. The material is easy to dispense.



FREEFORM® plast is dispensed from the tin with a spatula

We use this resin to fabricate the bite block of adjusted splints and for mounting drilling sleeves on deep-drawn splint bases. The splint base is conventionally deep-drawn from thermoplastic material, processed and sandblasted with $110\ \mu\text{m}\ \text{AL}_2\text{O}_3$. For bonding to **FREEFORM® plast**, DETAX offers the suitable bonding agent, **FREEFORM® bond**. This liquid can be applied precisely with a brush and is then light-cured. Bonding to the splint base is excellent. Then **FREEFORM® plast** is dispensed from the tin with a spatula, applied to the splint base and the transition zones smoothed. The antagonist is well isolated (with wax or resin insulation, petroleum jelly is also possible) and can then



and applied to the splint base

be pressed into the pasty, stable material. The impressions correspond accurately and remain dimensionally stable during light-curing.

Processing is done with crosscut hard metal burs and emery paper. DETAX also offer a further product for this set to provide high gloss. **FREEFORM® coat** is a single-component high gloss varnish which can be applied precisely and without streaks with a brush and which is also light-curing.

The splint is made stiffer and harder using this material. It is considerably more abrasion-resistant and thus well suited for permanent use as bite splint for patients with pronounced bruxism.



Finished splint



FREEFORM® gel is well suited for drill sleeves

FREEFORM® fixgel

Also available is a gel-like, light-curing, transparent material in a syringe. This is exceptionally well suited for repairing minor defects to the afore mentioned splints. Small application needles are also supplied for screwing on, and these allow direct and precise application directly from the syringe.



FREEFORM® gel is applied directly from the syringe on the splint

Due to the **FREEFORM® bond** this material bonds with other resins. It is therefore also well suited for mounting X-ray spheres to deep-drawn splint bases. It can also be processed with crosscut hard metal burs. The surface is smoothed by sanding or gumming. A high gloss can be obtained quickly and easily using **FREEFORM® coat**.

Conclusion:

The pliable resin **FREEFORM® plast** and the **FREEFORM® fixgel** excel through optimal dispensing, precise application and durability. They are easy to process and have simplified our laboratory routine as well as making it safer. Customers have told us that the occlusion key is more stable and that the splints last longer, even under greater pressure and grinding of teeth.



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