

Nightguard Flex Instructions for Use

Intended Use

NightGuard Flex is a light-cured resin indicated for use in the manufacture of various occlusal guards and similar devices by dental professionals. This is an alternative to traditional vacuum formed materials.

Fabrication of the devices requires a 3D design of the custom device designed by a qualified provider. It also requires a SprintRay Pro 3D Printer, SprintRay Pro Wash/Dry, and SprintRay ProCure System to produce the devices.

Indications for Use

The SprintRay NightGuard Flex is indicated for the fabrication of orthodontic and dental appliances such as mouthguards, nightguards, splints and repositioners.

Device Description

Nightguard Flex is a photo-polymer acrylate resin material used in conjunction with a 3D printer and a scanned 3D image to fabricate orthodontic and dental appliances at a dental office or lab. The product is provided in light-blocking 1KG bottles.

Instructions for Use

Warnings

Always wear gloves when handling uncured resin. Whether you're pouring, removing models from the platform, or even after models have been washed, gloves must be worn in order to limit exposure.

Mix thoroughly. If pouring from the bottle, shake the bottle vigorously for several minutes before dispensing. For resin already in the tank, use provided resin wiper to gently stir the material.

Store appropriately. NightGuard Flex is ideally stored in a cool dark location.

Check expiration dates. Resin has a shelf life; it's important to keep an eye on the expiration date. Use of expired resin will likely result in failed prints, as the compounds required for curing break down and will not activate properly. The expiration date for SprintRay resins is printed on the back of the bottle.

Dispose of resin material properly. Liquid resin can never be poured down the drain and must be cured before being disposed of as trash. Pour liquid resin into a clear container and set it in direct sunlight or your ProCure unit. Once it has cured, it can be treated as waste and disposed of in the regular trash.

Printing Appliances with NightGuard Flex Dental Resin

Use the RayWare software to nest the devices with support structures against occlusal surfaces. Make sure you have the proper resin profile and desired layer height selected before slicing the job and sending it to the printer.

NightGuard Resin is poured into the 3D printer resin tank. Please refer to your 3D printer's instructions for use on how to access and fill the resin tank, and for any particular settings that may need to be used for printing with dental resin.

Wash and Dry NightGuard Flex Appliances After Printing

After an appliance has been printed using NightGuard Flex dental resin, remove from the 3D printer. All dental resin products require washing after printing, and NightGuard Flex appliances can be washed and dried using commercially available washing systems such as a SprintRay Wash/Cure system that use >91% IPA to wash and dry the parts.


If Pro Wash/Dry is not used, use a container with >91%IPA and submerge in an ultrasonic cleaner for three minutes. Then remove the device and use a second container with fresh IPA for an additional wash stage of three minutes. Use compressed air to dry the part before curing.

Cure NightGuard Flex Appliances After Washing and Drying

Ensure the part is dry before using SprintRay ProCure with the indicated preset on the touchscreen for the SprintRay Soft Splint Material. After curing is complete, the device can be handled without gloves.

Additional Post Processing as Needed

Polish as desired. Wash with soapy water after polishing before delivery. At first delivery, briefly soak in hot water to loosen device, and adjust as necessary.

 <p>SprintRay Inc. 2705 Media Center Drive Suite #100A</p>	<p>Contact information</p> <p>For product assistance, please review help information at https://sprintray.com/learn-3d-printing-night-guard-workflow-with-cloud-design-main/</p> <p>To report product issues, please contact SprintRay at: https://support.sprintray.com/hc/en-us/requests/new Phone: 1-800-914-8004</p>
--	--



Los Angeles, CA 90065	 A circular sign with a diagonal slash through it, containing the number 2, indicating a prohibition or restriction.
-----------------------	---