

# DURASPLINT® LC

## Processing Information

- Description:** DURASPLINT® LC is a light-curing splint material based on acrylic resins. Other ingredients are mercaptan, silicic acid and photoinitiators.
- Indication:** Fabrication of build-ups on adjusted occlusal splints made of DURAN®.
- Contraindication:** Production of complete splints, as the material is too brittle for this application.
- Intolerances:** Allergies to individual components of the material may occur in sensitised patients. For details, please refer to the relevant safety data sheet at [www.scheu-dental.com/service](http://www.scheu-dental.com/service).
- Preparation:** Measure models using the parallelometer and mark splint extension at approx. 2 mm beneath the prosthetic equator. Block out undercuts using BLUE BLOKKER® or SIL KITT. For pressure-moulding the occlusal splints made of DURAN® with a minimum thickness of 1.5 mm and using the tension-compensating insulation foil ISOFOLAN®, please refer manufacturer's instructions.  
**Note:** Make sure to remove foil only once the last polymerisation procedure is completed to avoid distortion of the material.
- Use and application of LC primer:** Sandblast the pressure-moulded splint with clean Al2O3 (110 µm). Degrease and let dry using ethanol. Apply LC primer with a brush. The matt surface that is achieved after sandblasting allows for an easy and precise optical control of primer application to the splint. Proceed now with light-curing the model with primer being applied for 5 minutes in a light-curing device.
- Modelling with DURASPLINT® LC:** For optimum results, materials should be used at room temperature. Make sure to apply LC insulation to the antagonist to prevent the resin from sticking to the model. Break off one DURASPLINT® LC bar to adapt it to the pressure moulded splint and to model it in the articulator. For better modelling apply LC insulation to your fingertips and shape material in the desired form. Make sure to shape a thin material layer slightly exceeding the splint extension to achieve a homogeneous layer of DURASPLINT® LC and DURAN® material.
- Polymerisation:** Remove the model with the splint on it from articulator and position it centrally in the light curing device. Polymerisation takes 10 minutes twice. Polymerisation shall always be carried out on the model! When lightcuring DURASPLINT® LC, the photoinitiator might react temporarily showing a slight yellow discolouration. Once the polymerisation process is completed, this discolouration will disappear. This may take 2 days. The materials cure at a range between 350-450 nm. All data on polymerisation times apply to the light-curing unit LC-Light Oven. The polymerisation unit is equipped with 6 UVA and blue light tubes which are arranged alternately.
- Using CLEAR-BLOKKER®:** In case additional adjustments or corrections are desired, apply CLEAR BLOKKER® in a layer of 1-2 mm. While doing so, the inhibition layer should remain on the object. In case it should have already been removed, apply LC primer to the corresponding area and let it cure for 5 min. to ensure an optimum compound. Then apply CLEAR BLOKKER® directly from the syringe with the corresponding cannula, prior to light curing it for 10 minutes.
- Finishing:** Finish and grind the splint conventionally. The inhibition layer can be removed using rotating instruments or ethanol. LC burs A, B and C are best suited for finishing. Then proceed with polishing the splint. Occlusal polishing of the splint is not recommended to make sure the function of the adjusted surfaces is fully maintained. Please visit [www.scheu-dental.com/en/service](http://www.scheu-dental.com/en/service) for detailed and illustrated instructions.
- Shelf life/storage** Please refer to the label imprint for information on shelf life. Processing after the expiration date should be subject to prior examination of the product. Ensure to store the material in closed original containers at a temperature between 4° C and 25°C, dry and protected from light.
- Hazard warnings:** Please observe the personal precautions for protective equipment and safe handling of the corresponding safety data sheet at [www.scheu-dental.com/en/service](http://www.scheu-dental.com/en/service).
- Note:** Serious incidents in connection with the use of the product shall be reported immediately to the manufacturer and the competent authority.

### Delivery program:

DURASPLINT® LC		
DURASPLINT® LC kit		REF 3256.1
DURASPLINT® LC 3 bars (38 g in total)	1 piece	REF 3261.1

