

DURASPLINT® LC Product information



Description

DURASPLINT® LC is a light curing splint material destined for the fabrication of occlusal adjusted splints. The adjustment is done on DURAN® splints with a minimum thickness of 1.5 mm. The light curing transparent gel CLEAR BLOKKER® can be used for fine precise corrections of the splint.

Composition

DURASPLINT® LC: Preparation of acrylic resin, mercaptan, silica and photoinitiator.

LC-Primer: Preparation of methyl methacrylate, acrylic resin and photoinitiator.

CLEAR-BLOKKER®: Preparation of acrylics and photoinitiators.

LC-Insulation: Preparation on.

Indication

Fabrication of occlusal adjusted splints.

Contra-indications

Patient and user: DURASPLINT® LC should not be used in case of known allergies against one of its ingredients.

Side effects

Patient and user: DURASPLINT® LC may cause allergic reactions.

User: Frequent continuous skin contact with uncured material may cause skin irritations.

Interactions

No interactions have been reported.

Hints on occupational safety

Skin contact with uncured material should be avoided. Make sure to wear gloves while using the material. Make sure to wear protective clothing while using the material (overall, goggles, mouth protection). Switch on suction unit.

USE

Preparation

Measure models using the parallelometer and mark splint extension approx. 2 mm beneath the prothetic equator. Block out undercuts with BLUE-BLOKKER® or SIL KITT. Fabrication of the pressure moulded DURAN® splints (minimum material thickness 1.5 mm) and the tension-equalising insulating foil ISOFOLAN® is effected according to manufacturer specifications.

Hint: Make sure to remove foil only after the last polymerisation process in order to avoid distortion of the material.

Use and application of LC-Primer

Proceed with sand-blasting the pressure-moulded splint with clean Al₂O₃ (110 µm). Then proceed with degreasing and drying using alcohol. Apply LC-Primer with a brush. The matt surface after sand-blasting allows an easy and precise optical control of the application of the primer on the splint. Then proceed with light-curing the model with the primer applied for 5 minutes in a light-curing device.

Modelling of DURASPLINT® LC and finishing

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. Then proceed with adapting one bar of DURASPLINT® LC on the pressure moulded splint and modelling it in the articulator. For better modelling apply LC-Insulation to your finger tips and shape material in the desired form. Make sure to shape a thin material layer slightly exceeding the splint extension in order to achieve a homogeneous layer of DURASPLINT® LC and DURAN® material.

Polymerisation

Remove the model with the splint from articulator and place it centrally in the light curing device. Polymerisation process takes 2 x 10 min.

Hint: Always make sure polymerisation of the splint is effected on the model. During light curing of DURASPLINT® LC, the photo initiator temporarily turns slightly yellow. After complete polymerisation, the slight yellow colouration disappears within 1-2 days.

Light-curing device

Light curing is effected in the range of 350 - 450 nm. All data on polymerisation times refer to the light-curing unit LC-6 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, the use of CLEAR-BLOKKER® in a layer of 1-2 mm is recommended. 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. for an optimum compound. Then proceed with applying CLEAR-BLOKKER® directly from the syringe with the corresponding cannula before light curing for 10 minutes.

Finishing

Finish and grind the splint conventionally. The inhibition layer can be removed using rotating instruments or alcohol. 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 in order to make sure the function of the adjusted surfaces is fully maintained.

For a detailed and illustrated instruction please visit www.scheu-dental.de/downloads

