

# LATELUX<sup>®</sup> *flow*

## Microhybrid flowable light cure restorative composite

### Prescription

LATELUX *flow* have to be used in therapeutic dentistry for:

- Immediate elimination of all the defects of the enamel: like white and tetracycline spots, erosion, discoloration and etc. with minimal treatment of the tooth;
- filling of cavities V classes by Blake;
- restorative procedure make with classic composite materials;
- restore of acrylic veneer;
- provision of fissure sealants;
- tunnel filling;
- concealment of the metal pins (shadow shading).

### Characteristic

LATELUX *flow* is belong to the group of micro hybrid composites tight-cured by influence of visible light with the length of the wave 400-500 nm. Profundity of light-cure in the course of 40 sec. for the enamel and dull shade about 4-6mm; for masking shade is 1,5mm

High fluidity and optimal thixotropic properties of material make it possible to put it directly from syringe to the surface which have to be restored or to the cavity and give him the right form without condensation. Below modulus of resilient in combination with adhesive characteristic could guarantee high-quality border attachment. LATELUX *flow* have his one bond to the etched surface of the enamel by phosphorous gel. In the case of exposing of the dentin should have to put two coat of bond Latebond-LC or 3-4 coat dentin-primer Saturool.

LATELUX *flow* going out in 6 enamel shades

by the scale of Vita: A2, A3, A3.5, B1, B2, C3; 4 dull: OA2, OA3, OA3.5, OB2 and 4 not transparence shades: U (universal), DY (dark-yellow), G (grey), W(white)

### Composition

1gr.of LATELUX *flow* content:

- urethane dimethacrylate (UDMA) - 0,12gr.;
- ethoxylated bisphenol A dimethacrylate - 0.15gr.;
- dimethacrylate triethylene glycol - 0.06gr.;
- roentgen-opaque fine-grain glasses filler - 0.61gr.;
- pyrogenic silicon oxide - 0.03gr.;
- polymerization initiator, inhibitors and adhesive additions - 0.03gr.

### Method of use:

#### Preparation of the surface

The process of preparation usually include this kind of steps:

- cleaning of the surface from tooth pellicle;
- selection of right color;
- the process of preparation usually involve removing from the tooth damaged tissue;
- etching of the surface by phosphorous gel.

Latebond-LC should have to be used on the enamel and dentin which was already after etching by phosphorous gel.

#### Etching of the enamel and the dentin.

For complete cleaning of the enamel and the dentin and to create active micro relief before putting bond all filling surfaces should be worked by 37% phosphorous gel. Matrix strip and wedges has to be put for approximate cavities.

Necessary quantity of the gel has to be putted from syringe adapter to flask or glass, after

then with brush had to be putted first to the enamel and after 15 sec. to the dentine. In some cases you can put the gel directly to surface of the tooth. Sustain of the gel should be long 30 sec. on the enamel and 15 sec. on the dentin.

After end of the treatment etching gel carefully have to be removed by stream water and dried by pressed air for get a bit wet dentin and to dim enamel. Syringe adapter should be cleaned by the water.

### Putting adhesive.

Before to put adhesive you have to be sure that treated cavity is visual dry but also is normal if it is little bit wet by dentin liquid. Drop of the bond Latebond-LC put to applicator and after put it to the carious cavity like one not bold coat. After putting adhesive have to have oil look.

Putted adhesive keep a bit sticky and have to be worked by photopolymerizator by 10-15 sec. It is need to be in contact with composite. Dentin-primer Saturool using in normal way without polymerization.

### Advices

After long keeping of etching gel could become dense. For get necessary consistency put the gel to the glass and mix it.

#### Overlay of LATELUX *flow*

Paste LATELUX *flow* should be putted directly from siring to prepared surface or cavity of the tooth for get better micro relief. First slim coat of the paste rub in lightly by plugger on the restored surface. Then again put necessary quality of the paste and smooth the coat excess off the paste you should take off by burnisher or modeling knife and every time the instrument have to be cleaned by paper napkin.

Working time in oral cavity with paste LATELUX *flow* is not more than 3min. Process of polymerization realizing by photopolymer, the distance between fiber

optic and restored surface should be about 2-3mm.

After end of the work with composite paste you should clean the cap and spout of the syringe immediately close by cover.

### Polishing

Mechanical polishing and polishing of restored surface can be done in the classic ways. After end of the process you should use diamond paste Diapol-1.3 or Diapol-1.5

### Condition of storage and Labeling

#### Condition of storage

LATELUX *flow* have to be stored in packing inside the warehouse and to be protected from precipitation and directly sun light; to be far minimum 1mt. from heaters. For the better way to storing recommended to use refrigerator with temp. +5°C. Before the start of the work LATELUX *flow* have to stay at home temp. about 3-4 hours. for get back plasticity of composite paste.

#### Labeling

The ☞ symbol on the package show expire date.



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Latus PE, 61010 Textilna str.82, Khrkov, Ukraine.  
Tel +380577332697. [www.latus.com.ua](http://www.latus.com.ua)