Positioners

Materials & Accessories

Fabrication:
- Erkoflex transparent or coloured, 3.0 - 5.0 mm
- Cover templates (110 900), degreasing agent (613 050), Erkoflexsticks-82 (177 005) with commercially available fusing gun ≥ 500 W with screw-top (special top for fusing gun 177 010), hot-air burner (177 540)

Model preparation:
- High-fusing wax (725 080) for filling bubbles in the plaster and for fixing the set-up model if no duplicate is used.

Finishing:
- Special scissors XL (220 301) · FG-sheets (177 400)
- Tungsten carbide bur (110 837)
- Liskosil-l (223 240) or Lisko-S (223 200) · Liskosil-m (223 230) or Liskoid (223 205)
- Hot-air burner (177 540)

Hints

- Areas of the model (exterior vestibulum, oral floor) that obstruct the adaptation have to be removed. Remove sharp plaster edges.
- Normally the desired spacing of the positioner is smaller than the spacing that results after thermoforming in the molar area. Therefore the combination of upper and lower splint by heat is normally possible. This method has optical advantages compared to bonding the two splints with the fusing gun.

1. Embed the model that way into the granules that the tooth alignment plus app. 7 mm are visible. Cover the granules with a cover template.

2. Always thermoform the plate together with the ex works applied insulating foil and allow to cool down.

3. Cut the splint with the special scissors to the requested length.

4. Use the tungsten carbide bur (> 20 000 rev/min) to roughly grind the edges.

5. Smooth with Liskosil-l (10 000 rev/min).

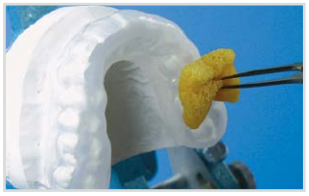
6. Pull the insulating foil off.

7. Produce a splint for the other jaw in the same manner.

Place the models in the articulator and adjust the desired spacing at the supporting pin.

8. In the articulator the splints normally touch in the molar area. Remove on both sides that much material that only 1 - 2 mm are missing to the desired spacing.

9. Remove the material equally on both sides in the occlusal area. If a lot of material has to be removed, the tungsten carbide bur has to be used.



10. Degrease the occlusal surface of both splints with degreasing agent.

11. Warm only the occlusal area of both splints with the hot-air burner. Do not remain on one spot too long.

12. Press both heated splints rapidly until it stops together.
The combination can no longer be separated.

13. Open areas and areas that do not have enough material can be filled with Erkoflexsticks-82 (original Erkoflex) and a fusing gun.

14. The stick material and the positioner can be smoothed with Liskosil-I and polished with the hot-air burner. The hot surface can be polished by shortly pressing a FG-sheet onto it (page 24, **16**).

15. If the positioner should have a high elevation, both splints can be bonded by application of Erkoflexsticks-82 material.

16. Finished positioner out of Erkoflex, 4.0 mm.

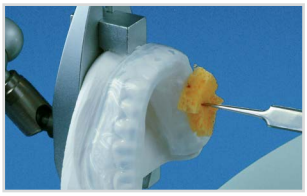
Pay attention to the cleaning and maintenance instruction.

17. Bonding of the upper and lower jaw splints in the **Occluform:** Procedure as described in step **1 - 4.** Only one splint will be fabricated. Grind the splint thin especially in the molar area (Liskosil-I).

18. How much material has to be removed depends on the desired bite elevation.
Fix this model without splint in the upper model plate.

19. Articulate the models according to the construction bite, arrest the Occluform, open it and put the splint onto the model.

Degrease splint and the foil next to thermoform with degreasing agent.



20. Now thermoform an Erkoflex plate onto the model in the model pot and close the Occluform and ...

21. ... press on until the supporting pin gets contact and allow to cool down.

22. Both splints bond safely to a monobloc.
Finish as described in step **13** and **14.**