

# Bracket transfer splints, etching masks for bracket transfer

## Materials & Accessories

### Fabrication:

Bracket transfer splints:

- Erkoflex, transparent, 1.5 or 2.0 mm, soft, flexible material
- Erkodur, clear, 1.0 mm, hard material
- water soluble adhesive for brackets (also commercial water soluble universal adhesive without solvents)
- Alginate based insulation

Etching masks for bracket transfer:

- Erkolen, 0.8-1.0 mm, only recommended when using a pressure forming unit (Erkopress)

### Model preparation:

- High-fusing wax (725 080) for filling bubbles in the plaster

### Finishing:

- Special scissors XL (220 301) for cutting out the desired shape, Liskosil-I (223 240) or Lisko-S (223 200) for smoothing the edges



## Hints

- Areas of the model (exterior vestibulum, oral floor) that obstruct the adaptation have to be removed. Remove sharp plaster edges.
- The Erkoflex-types have a very high memory, they bound to original shape.
- **Remove the ex works applied insulating foil before thermoforming**, (attention: changed heating time resp. thermoforming temperature for Erkoflex), insulate the models after glueing the brackets.
- When producing **bracket transfer/etching masks**, the places where the brackets should be glued (bracket base) are cut out with a scalpel. The etching agent will be applied through these holes and then the brackets will be glued on.

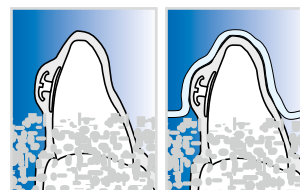
### 1. Bracket transfer splints:

Glue brackets with water-soluble adhesive onto the model. If the model has a flat trimmed base, it can be placed onto the model disc ...



2. ... for thermoforming, otherwise embed the model that way into the granules that the tooth alignment plus app. 7 mm are visible. Do not remove the Erkoflex foil from the model ...

3. ... cut the plate in and cut it out vestibularly and palatally / lingually at about 3-4 mm below the teeth. Because of the flexibility of the material the scissors can thereby be pushed underneath the material.



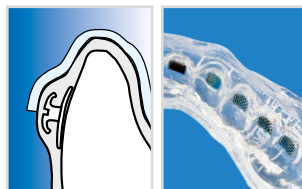
4. Embed the model to the lower edge of the brackets into the granules and thermoform a foil Erkodur 1.0 mm.

5. Cut the Erkodur foil out with the HSS twist drill (110 876) directly underneath the brackets.



6. Water the model with the foils for at least half an hour. If afterwards the foils still cannot be taken off, do not use strong power but water again.

7. Take the foils off, separate them and shorten the Erkodur foil up to the middle of the brackets. If after the plates have been taken off still adhesive residues are visible again water Erkoflex with the brackets.



8. If necessary, remove adhesive residues with a brush.

9. With the Erkoflex foil the brackets will be put in place in the patient's mouth using a glue. Then the Erkodur will be put on for exact positioning and adhesion.



### 1. Etching mask for bracket transfer:

Glue the brackets with water soluble adhesive onto the model. Thermoform Erkolen 0.8-1.0 mm. Shorten Erkolen to the model.



2. Afterwards cut out the bracket base with a scalpel. Water the model for at least 30 min. and take the brackets off the model. Through the windows that are created this way in the foil the tooth will be etched and the brackets afterwards be glued on.