

EN



Program

2013/14



50 years

1963 -

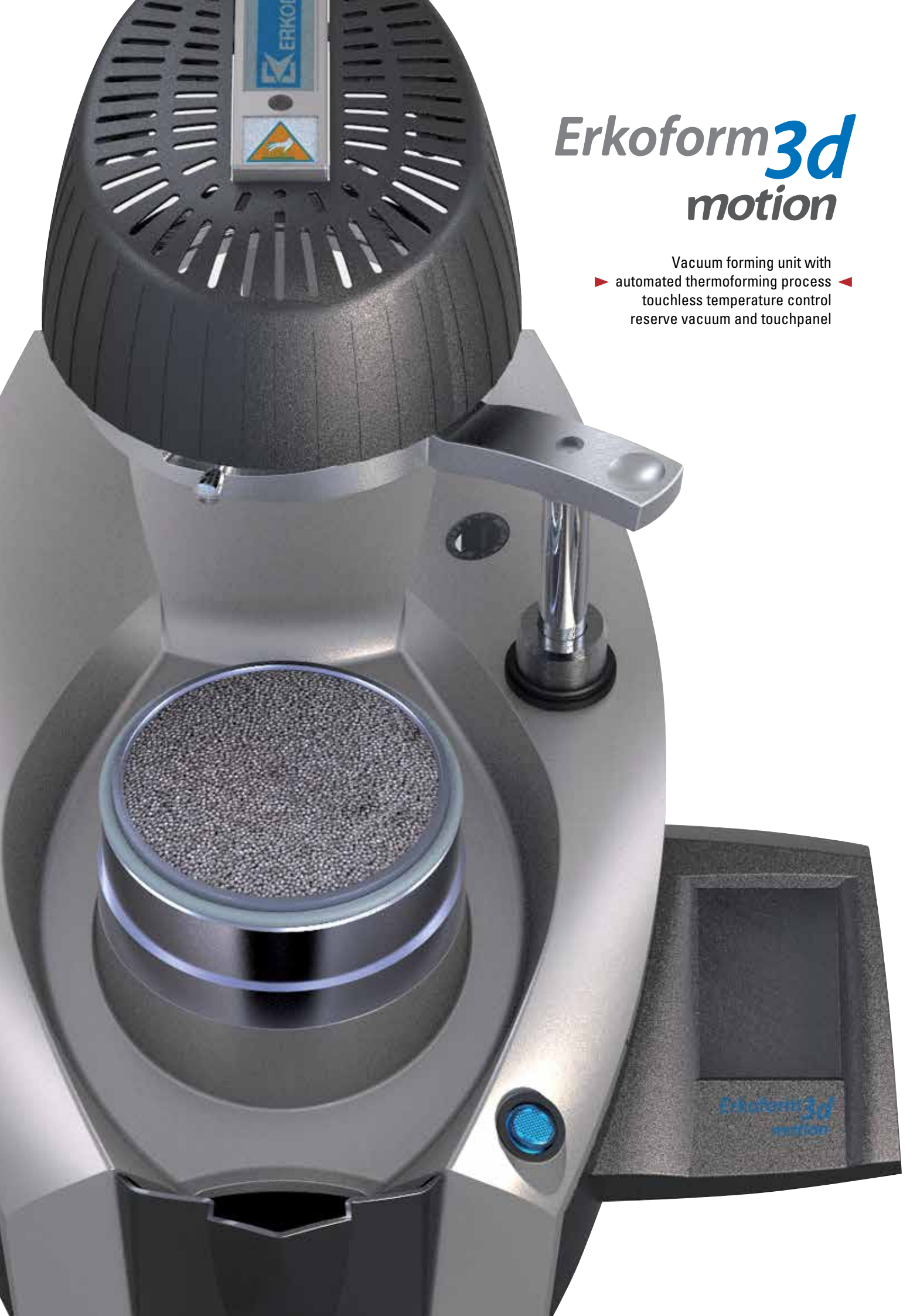
Erkodent



2013

Erkodent has been established on November 19th, 1963 by the dentist and inventor Erich H. Kopp.





Erkoform^{3d} motion

Vacuum forming unit with
▶ automated thermoforming process ◀
touchless temperature control
reserve vacuum and touchpanel

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Thermoforming technique,
materials, machines and accessories

Thermoforming technique,
materials and applications

Various items for the dental office

Dental laboratory needs,
materials, machines and accessories

Waxes "DTM Thiel line"

Please note:

All 6-digit numbers in this brochure are order numbers.

You will find further package sizes in our price list.

Illustrations and specifications as well as technical improvements are subject to change without notice.

Further articles that are not listed in this program will be found in our pricelist.



Erkoform-3d motion 188 400

with thermoforming "starter kit":

Application brochure, samples of thermoforming materials, filling granules, auxiliaries etc.

The Erkoform-3d motion is the first Erkodent thermoforming unit **with automated thermoforming process**. The field of use and the technical data correspond to those of the Erkoform-3d except for a considerably improved touchpanel and operating concept.

The automatic is limited to the really expedient working step, namely the actual thermoforming process. This saves the necessary going to the unit in order to move the hot foil from the heating to the model and to thermoform.

- Program foil
- Insert foil
- Start heating process, now or even before place the model in the unit
Time for other, everything else will be carried out by the Erkoform-3d motion!
- The thermoforming process and the cooling time run automatically



Erkoform-3d 188 500

with thermoforming "starter kit":

Application brochure, samples of thermoforming materials, filling granules, auxiliaries etc.

Technical data:

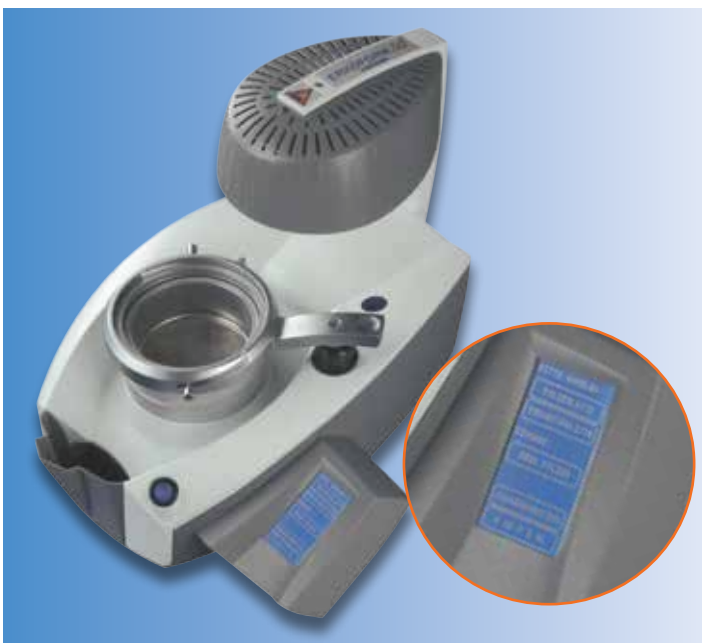
H 31.5 cm/W 35 cm/D 37 cm
weight 11.9 kg
~230 (or 110) volt/340 watt
max. vacuum 0.8 bar
noise level < 70 dB(A)

Vacuum forming unit with reserve vacuum and touchpanel

- No compressed air supply required - plug and play.
- Touchless **temperature sensor** (patented) for accurate determination of the actual thermoforming material temperature.
- No preheating time.
- Sudden vacuum, built up before thermoforming process.
- More space for higher models.
- Perpendicular prestretching and forming produces results of even foil thicknesses.
- Completely accessible model during the heating process.
- Practical one-hand foil fixation for foil thicknesses ranging from 0 to 6 mm.

3d Touchpanel

- The program contains all Erkodent thermoforming materials, has a display conducted operating and signalizes necessary working steps.
- Select type and thickness of foil and start.
- The thermoforming temperature and cooling time shown can be changed for special applications without influencing the basic program.
- The display informs about each operating status and the remaining time.
- Safety switch-off after 10 sec., when the next working steps are not executed.
- New foils can be programmed.





Erkoform-3 188 300

with thermoforming "starter kit":

Application brochure, samples of thermoforming materials, filling granules, auxiliaries etc.

Technical data:

H 31.5 cm/W 35 cm/D 37 cm
weight 11.2 kg
~230 (or 110) volt/340 watt
max. vacuum 0.6 bar
noise level < 70 dB(A)

Vacuum forming unit with reserve vacuum and reduced electronics

- No compressed air supply required - plug and play.
- Touchless **temperature sensor** for accurate determination of the actual thermoforming material temperature.
- No preheating time.
- Sudden vacuum, built up before thermoforming process (pat. 19511064).
- All Erkodent foils can be thermoformed.
- The foil temperature is continuously indicated, as soon as the thermoforming temperature is reached, thermoform.



For Erkoform-3d/3 and Erkoform-3d *motion*:

Occluform-3 188 580

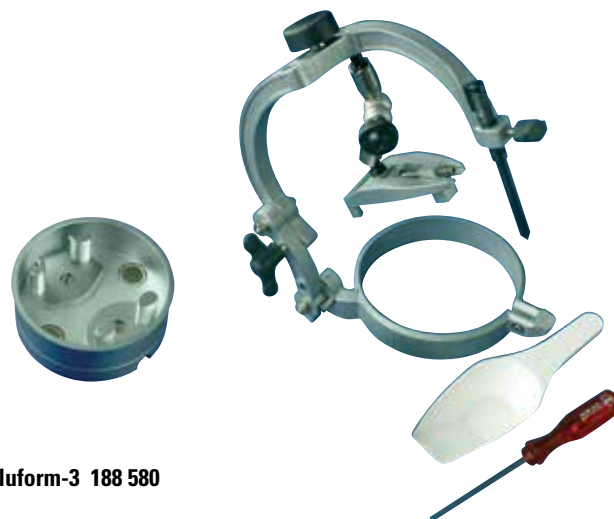
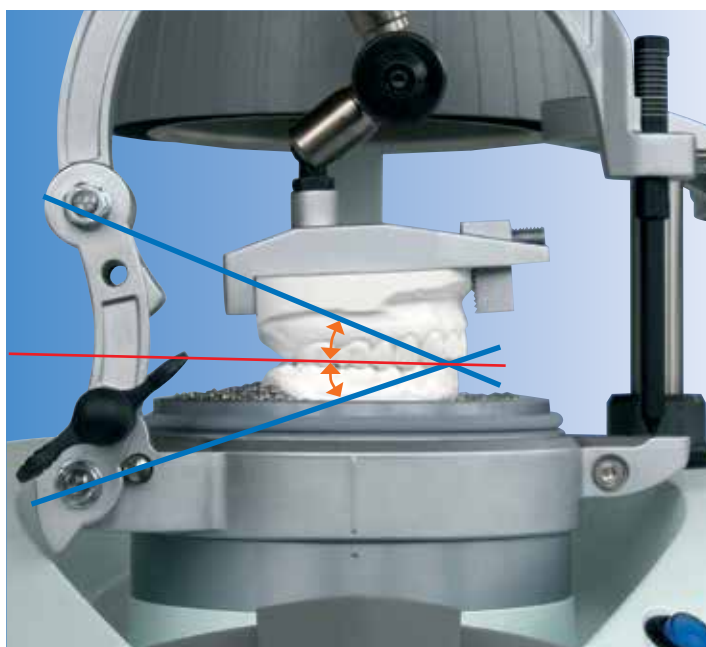
Ready for self-installation.

With detailed installation and working instructions.

Metal construction with hydraulic fixation.

Occludator integrated in a thermoforming unit for imprinting the opposing bite (pat. 19915567).

- The Occluform-3 can only be installed at Erkoform-3d/3 and 3d *motion* units.
- The opposing bite is imprinted directly in the Erkoform-3d/3/3d *motion* during the thermoforming process!



Occluform-3 188 580

Occluding bow with fixation ring for Erkoform-3d/3/3d *motion* units

Model pot for fixation of the model in the Erkoform-3d/3/3d *motion* form pot, granules shovel, hexagonal socket wrench size 3

Weight 1.2 kg

- Plaster free model fixation.
- Hydraulic fixation of the opposing bite.
- More space for higher models.
- Single column construction for best model accessibility.
- The construction of the Occluform-3 device is based on a Bonwill triangle with a side length of 11.5 cm and a Balkwill angle of 20°.



Erkopress 300 Tp 171 000

with thermoforming technique "starter kit":

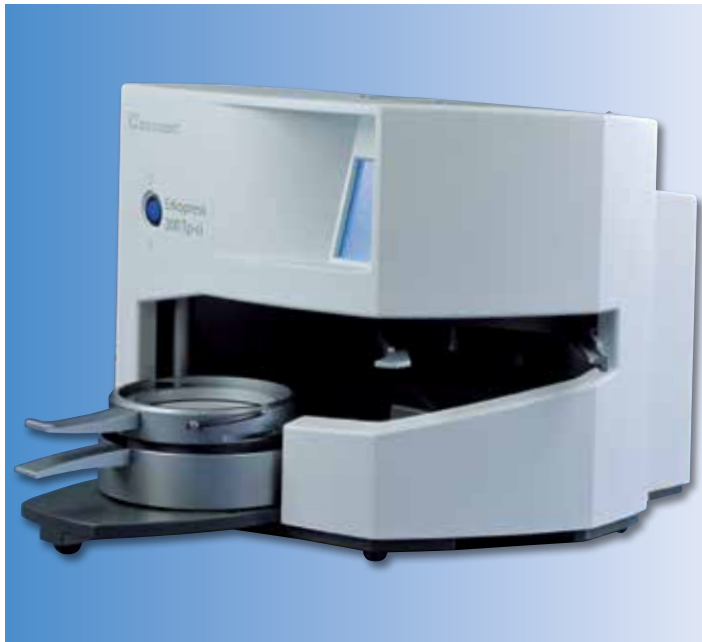
Application brochure, samples of thermoforming materials, high-grade steel filling granules, rounded

Pressure forming unit for all applications in the dental thermoforming technique

- Touchless **temperature sensor** for accurate determination of the actual thermoforming material temperature.
- No preheating time.
- Vertical forming without delay for even foil thicknesses.
- Completely accessible model during the heating process.
- High operating safety by automatic switch-off.
- Program-controlled function and running.

Technical data:

H 32 cm/W 33 cm/D 43 cm
weight app. 16.7 kg
operating pressure: variably adjustable, 3-6 bar
operating voltage: ~230 (or 110) volt, 50 hertz,
wattage: 340 watt



Erkopress 300 Tp-ci 171 500

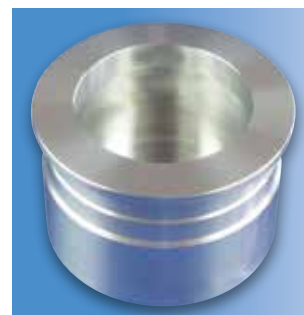
The mode of operation and running is identical to the **Erkopress 300 Tp**. The **300 Tp-ci** is additionally equipped with an integrated powerful compressor with reserve compressed-air. With it the unit is independant of a compressed-air system that would possibly have to be installed (pat. 19518211).

Technical data:

H 32 cm/W 35 cm/D 51 cm
weight app. 20.9 kg
reserve pressure: 6 bar
operating voltage: ~230 (or 110) volt, 50 hertz,
wattage: 480 watt



Erkopress 300 Tp/300 Tp-ci



Polymerisation pressure pot 171 888

Polymerisation pressure pot for Erkopress 300 Tp/300 Tp-ci.



Erkomini 182 200

foil holder, form pot, 100 Erkolen-A foils thickness 0.6 mm, 100 spacer foils thickness 0.1 mm, foils-Ø 42 mm

Erkomini, small thermoforming appliance for manual production of copings. Plastification over a Bunsen burner.



Filling granules 110 852

1.3 kg, high-grade steel

Filling granules 110 861

1.3 kg, high-grade steel, fine graining

Filling granules to fill undercuts and to limit the model height. Rounded edges to avoid small tears in thin foils.

Fine granules for stable fixation of dies without pins.



Cover templates 110 900

8 pieces
each 4 pieces for upper and lower jaw in 2 sizes

Prepunched in 4 sizes (2 upper, 2 lower), to cover the filling granules. Recommended when soft materials are thermoformed without insulating foil. The filling granules do not stick in the foil.



Blocking out wax

50 g

725 080 transparent

725 055 lilac

Special wax with very high melting point for the thermoforming technique to block out plaster bubbles.



Erkogum 110 844, transparent

400 g

Permanently kneadable, reusable blocking out material. Ideal for the protection of residual teeth and to block out undercuts. Resists thermoforming temperature.



Erkogum 110 847, lilac

150 g



Isolac 624 050 500 ml 624 101 1000 ml

For the isolation of plaster against acrylics.

Colourless, ideal for the fabrication of completely transparent splints when soft materials are thermoformed without insulating foil.



Erkoskin 625 050

50 ml

Self-hardening protective film, permanently elastic, acid and base resistant, rupture-resistant, removable without residues, fast drying.

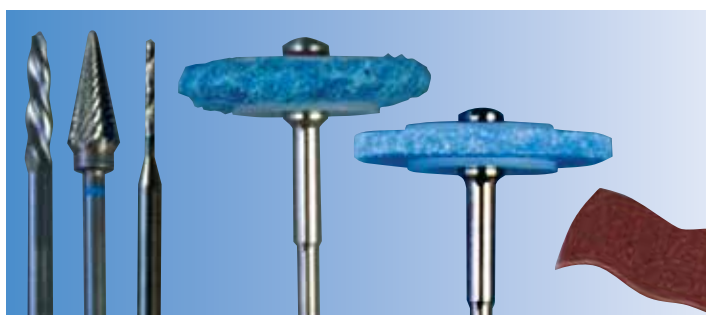
- As spacer when fabricating bleaching trays.
- To relieve tension of the gingival margin in the thermoforming technique.
- As protection of plaster dies against trim water, high-gloss metal parts when sandblasting and high-gloss ceramic parts when etching, etc.



take-off pliers 110 880

1 piece

Pliers for easily taking hard thermoformed splints off the model.



Finishing set Quick 2 110 877

1 fissure bur, left spiral, rightward cutting, 2 HSS-twist drills, 1 crosscut tungsten carbide bur, conical, 2 Lisko-S, 1 Liskoid with sand paper, 2 mandrels with each 2 supporting discs

Contains all rotating instruments that are useful for the finishing of all thermoforming materials:

Fissure bur for rough cutting, HSS-twist drill for more precise contours, tungsten carbide bur for smoothing, Lisko-S for prepolishing larger areas and Liskoid for prepolishing narrow interdental spaces.



Lisko polishers 223 105, assorted

223 100 white, **223 101** grey, **223 102** brown

each 10 pieces, 4 supporting discs, 1 mandrel

Lisko polishing discs with open structure for cooling, unique for working soft materials.

3 grains: brown - coarse
grey - medium
white - fine



Lisko-S 223 200

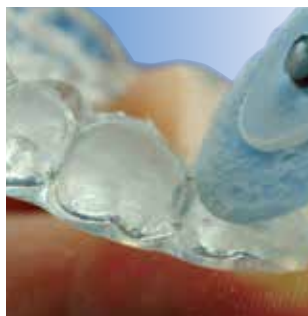
10 pieces, 1 mandrel, 4 supporting discs

Lisko-S polishing discs have a half-open stabilized structure.

To prepolish and adapt soft and to prepolish hard thermoforming materials.

Thermoforming technique

Accessories



Liskoid 223 205

6 pieces, 1 mandrel, 4 supporting discs

Liskoid is a stable pressed disc (DBGM), ideal to prepolish narrow spaces of thermoformed splints. For very narrow zones the disc can be sharpened with the added sand paper.



Fissure bur 110 836

2 pieces

The fissure bur is rightward cutting and has a left spiral. Material rests are transported away from the handpiece and therefore lumps during cutting are avoided. For rough cutting out of hard thermoforming foils and splints.

(Fissure bur, square 110 840, 3 pieces., no illustr.)



Tungsten carbide bur 110 837 conical

1 piece

Crosscut conical tungsten carbide bur allows the quick grinding of small and large radius on all thermoforming materials.



Polishing set 110 878

60 g special polishing mass, 3 polishing discs packed in an Erkodent splintbox

Set to polish hard thermoforming materials. The special polishing mass is made for hard thermoforming materials, but is also suited to polish other hard plastics.



Hot air burner 177 540

(without gas)

Without flame, no soot, no blackening. Ideal for the local softening and polishing of Erkoflex and Erkoflex-95. Will be refilled with butane for lighters.



FG-sheets 177 400

50 pieces

To form and shine Erkoflex. The hot surface can be smoothed and shined by shortly pressing an FG-sheet on.



Special scissors 220 300

1 piece

Special scissors to cut out soft thermoforming materials of each thickness and hard foils up to a thickness of 1.0 mm.



HSS-twist drill 110 876

3 pieces

HSS-twist drill for more precise contours, for hard and semi-hard splints, for ex. out of Erkodur or Erkolen.

- diametre 1 mm
- higher resistance to rupture



Tungsten carbide bur 110 835 pear-shaped

1 piece

Crosscut pear-shaped tungsten carbide bur to grind occlusal splints.



Polishing discs out of linen 110 879

3 pieces

Linen polishing discs for the technical handpiece. To polish hard thermoforming materials with the special polishing mass.



Special top for fusing gun 177 010

1 piece

Screw-top for commercially available fusing gun, recommended power ≥ 500 W.



on-off magnet

red, 110 890 1 piece

green, 110 891 1 piece

Smart magnet to collect high-grade steel granules. The granules will be strongly attracted but do no longer have to be plucked with effort from the magnet. Pull once at the handle and the granules fall off again.

Thermoforming technique

Accessories



Erkosit

- 817 701** liquid, 100 ml
- 817 702** powder, light, 100 g
- 817 703** powder, dark, 100 g
- 817 700** 100 ml/100 + 100 g set

Erkosit, acrylic for the fabrication of temporary appliances. Especially suited for the durable combination with Erkodur and Erkodur-C.



PV-Primer 222 970

25 ml

The PV-Primer allows the bond of thermoformed moulds out of Erkodur, Erkodur-A1/A3 or Erkodur-C with acrylics of cartridge systems.

Resilit-S

- | | |
|-------------------------------------|-------------------------------------|
| 817 501 liquid, 100 ml | 817 601 liquid, 500 ml |
| 817 502 powder, pink, 100 g | 817 602 powder, pink, 500 g |
| 817 503 powder, clear, 100 g | 817 603 powder, clear, 500 g |

Repair and pouring resin. Cold-curing acrylic resin to fabricate dentures and for repairs. Stable colour due to catalyst without tertiary amines. Especially suited for building-up thermoforming splints. With tested biocompatibility.



Erkopor Ø 95 mm

110 842 60 pieces
thickness 8 mm, for Erkopress units

110 845 40 pieces
thickness 3 mm, for Erkoform units

Erkopor foam rubber discs are used as spacer and to create a rough surface for better retention of impression trays and to evacuate air when fabricating copings.



LG-handles

- 222 950** 50 pieces
- 222 955** 250 pieces

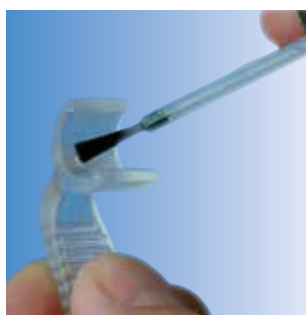
Transparent tray handles out of plastic to fix on thermoformed trays.



Tray handles

- short, 222 857** 50 pieces
- short, 225 857** 250 pieces
- long, 222 858** 50 pieces

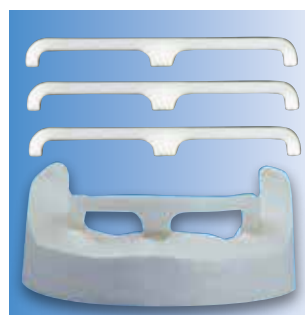
Tray handles out of aluminium to melt in thermoformed impression trays. The handles can be adapted to the contour of the tray before melting in.



LG-Primer 222 960

20 ml

The LG-Primer and heat ensure a safe bonding.



Tray handles

- 222 901** 100 pieces
- 222 905** 500 pieces

Thermoplastic tray handles out of plastic, especially suited for stabilizing individual lower jaw impression trays.



Degreasing agent 613 050

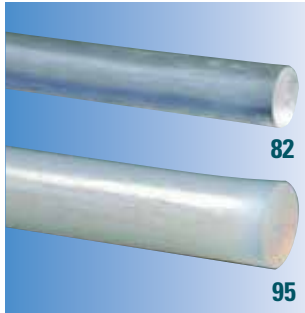
50 ml

For cleaning and degreasing of Erkoflex before combination, for example when fabricating Playsafe sports mouthguards or positioners.



Orientation balls 210 010

10 pieces, Ø 5 mm, high-grade steel
1 spherical bur



Erkoflexsticks-82 177 005

18 pieces, Shore A hardness 82

Erkoflexsticks-82, out of original Erko-flex for the fabrication of positioners and for model fixation when articulating.

Erkoflexsticks-95 177 006

18 pieces, Shore A hardness 95

Erkoflexsticks-95, out of original Erko-flex-95 to adjust Erko-flex-95 splints.



Erkobox 215 030

20 pieces

To hygienically keep sports mouthguards, positioners, etc., inner height 45 mm.



Splintbox 214 020

20 pieces

For bruxism splints, bleaching trays, retainers, etc., inner height 25 mm.



Oxydens

An intensively tested cleansing system for all dental splints that are fabricated with the Erkodent thermoforming technique like bruxism splints, Playsafe sports mouthguards, Silensor-sl anti-snoring devices, orthodontic appliances, correction splints, retainers, dentures and similar.

Oxydens tablets and Oxydens Clean-set:

- remove plaque and mineral deposits
- remove smells
- fresh and clean splints
- prevent discoloring
- practical Oxydens Clean-set for hygienic use and storage



Oxydens cleansing tablets 280 032

32 tablets

Oxydens Clean-set 280 030

32 tablets, 1 Clean-box, 1 Clean-cup

280 031 Oxydens Clean-box, 5 pieces

280 033 Oxydens Clean-cup, 5 pieces





Silensor-sl



Silensor-sl Set 59 60 11 (Ø 120 mm), for the fabrication of two Silensor-sl devices

The Silensor-sl consists of each one splint for upper and lower jaw. With the help of two laterally fixed connectors the lower jaw is positioned.

During sleep muscle tone of soft tissues in the neck decreases. This narrows the pharyngeal area and the required volume of air must be inspired at a higher velocity and noisy vibration (snoring) of soft tissues is stimulated.

The Silensor-sl opens the pharyngeal area. The velocity of inspired air decreases and therefore also the noisy vibration.

With the Silensor-sl jaw movements are possible, the falling back of the lower jaw, however, is not possible. This function makes the Silensor-sl a comfortable and at the same time effective anti-snoring device.

*In case of sudden propulsion movements at night, the anchor can slide in the connector (ill.). This as well as the light flexing double-S shaped connectors prevent a compression or overstretching of the connectors. If a protrusion of the lower jaw will be necessary, the connectors are exchangeable very easily.

The Silensor-sl is fabricated out of Erkodur or Erkoloc-pro.



Contents Silensor-sl set 59 60 11:

Erkodur thermoforming disc, Ø 120 mm, 2.0 mm, 2 pieces
 Erkoloc-pro thermoforming disc, Ø 120 mm, 3.0 mm, 1 piece
 Erkoloc-pro *blu* thermoforming disc Ø 120 mm, 3.0 mm, 1 piece
 Erkolen thermoforming disc Ø 120 mm, 1.00 mm, 1 piece
 Sample Erkoskin latex liquid, 1 piece
 Sample Erkogum violet, blocking out material, 1 piece
 Sample blocking out wax lilac, highfusing, 1 piece
 ErkoBox with bite-help strip and instructions, each 2 pieces
 Silensor-sl parts cards, 2 pieces
 HSS twist drill, Ø 1.4 mm, 1 piece
 Fabricating instructions Silensor-sl, 1 piece
 Silensor-sl patient flyer with questionnaire, 10 pieces
 Info Silensor-sl, 2 pieces
 Boardmarker red, 1 piece
 Info exchange of a connector, 2 pieces
 Silensor-sl-club letter



Silensor-sl

59 60 01 **

1 card with connection parts

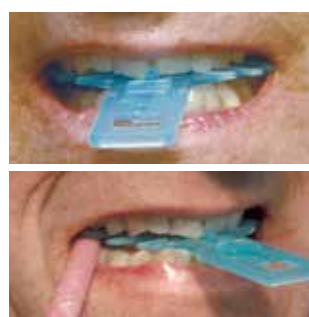
59 60 00 **

10 cards with connection parts

59 60 40 **

40 cards with connection parts

** without foil and auxiliaries



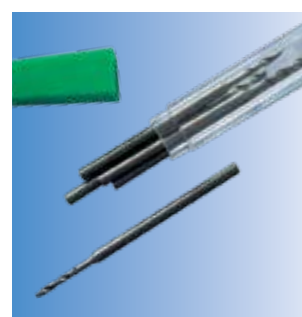
sl-protrusion gauge (pat. 10211000925)

Gauge for taking a construction bite with changed advanced bite.

The sl-protrusion gauge enables in a most simple way to register the requested or recommended advancement of the Silensor-sl.

59 61 05 sl-protrusion gauge, 5 pieces

59 61 20 sl-protrusion gauge, 20 pieces



HSS twist-drill Ø 1.4 mm 110 871

5 pieces

Bur to drill the holes for the spacer holding pins in the fabrication of the Silensor-sl.



Silensor-sl colour variations



PLAY SAFE®

Playsafe sports-mouthguard

Playsafe sports-mouthguards are fabricated individually, consist of minimum two laminated layers and an imprint of the opposing bite. Additionally they can be equipped with the sportist's name and Playsafe type labels.

Playsafe mouthguards fit exactly onto the teeth, do not move and allow to breathe freely and after a short time of adaptation to speak normally.

Boil & Bite mouthguards do not fit as accurately as custom sports-mouthguards and move. The athlete has to hold the mouthguard onto the teeth, this prevents him from producing outstanding performances.



Introductory package 177 750

with materials and auxiliaries like hot air burner for the fabrication of Playsafe, incl. 1 Playsafe-Set light and 1 Playsafe-Set heavy-pro

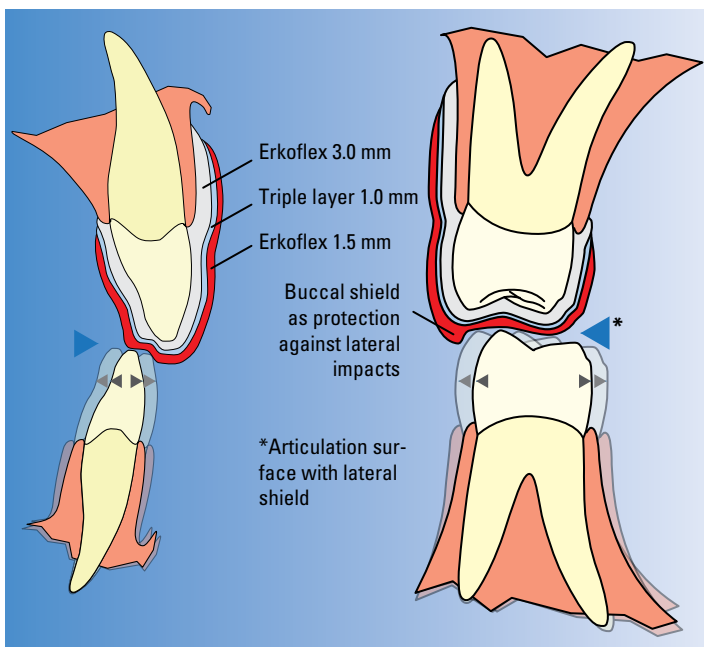
Playsafe-Set light

Playsafe-Set light-pro

Playsafe-Set medium

Playsafe-Set heavy-pro

Sets with the necessary foils to fabricate 1 Playsafe sports-mouthguard. Colour freely chooseable.



Playsafe triple start set 177 810

1 bite spacer, 1 Playsafe face chuck, 1 Playsafe triple set, transparent

Playsafe triple set 177 820

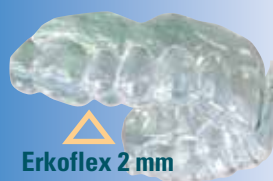
1 Playsafe triple plate, 1 box, 1 sample FG-sheet, 1 instruction

Playsafe bite spacer 177 811, 3 pieces

Playsafe face chuck 177 812, 1 piece

Playsafe label cover 177 815, out of Erkoflex, 0.7 mm, 6.0x4.0 cm, 10 pieces

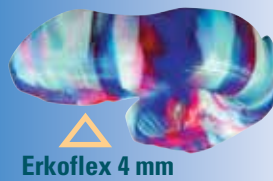
Playsafe heavy-pro



Erkoflex 2 mm



Erkodur-S 0.8 mm



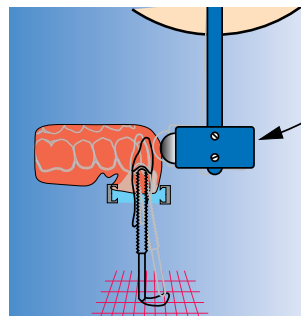
Erkoflex 4 mm

Playsafe heavy-pro, most resistant type, 3-layered (2 + 0.8 + 4 mm), for sports where extremely hard and pointed impacts may be received by the jaw, for ex. ice and field hockey.

Playsafe light-pro, 3-layered (2 + 0.8 + 2 mm), in case of cramped oral situation (for ex. children), otherwise like heavy-pro.

Playsafe medium, 2-layered (2 + 4 mm) for sports where objects with a large surface area may be received by the jaw, for ex. wrestling.

Playsafe light, 2-layered (2 + 2 mm), in case of cramped oral situation (for ex. children), otherwise like medium.



Various scientific tests show the superior protection of laminated Playsafe sports-mouthguards.

Order numbers

and formats please take out of our pricelist.

PLAY SAFE® triple

Playsafe triple

The greater protective effect of laminated sports mouthguards in comparison to single-layered mouthguards is sufficiently known. However, the fabrication of laminated sports mouthguards is much more complex.

A Playsafe triple can be fabricated in the same time as a single-layered sports mouthguard but provides at least the same protective effect than the laminated top version Playsafe heavy-pro.

The Playsafe triple plate is already three-layered, inside and outside soft and in between hard.

Thermoform once and imprint the articulation surface in a tricky way, allow to cool off and finish, if desired also apply the label, ready.

The surface that allows movement for the athlete shows a lateral stop (buccal shield). This can absorb lateral impacts.



Helmet strap

To affix the Playsafe sports mouthguard to the helmet.

584 023 deep red

10 pieces

584 025 deep black

10 pieces

Thermoforming materials and applications

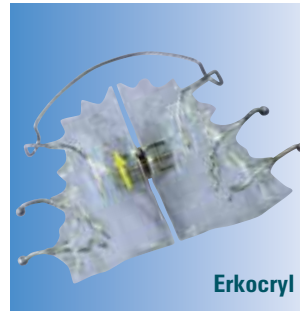
The **biocompatibility** of all thermoforming materials is proved, all materials are listed at the BgVV (Federal Health Office) and they are CE marked according to the EEC guidelines (93/42/EEC), with changes as per 2007/47/EC.

The complete range of thermoforming materials and their availability is summarized on pages 23 - 27. Samples to touch and informations on material properties are found in the material card.



Erkocryl, clear and pink

Interim prosthesis, compression, retention and extension plates in the orthodontic field 1.5 - 2.5 mm, combines to Resilit-S (auto-acrylic resin, liquid/powder).



Erkocryl

Coloured Erkocryl on request.



Erkodur, clear

Harder moulded copings 0.5 + 0.6 mm, stabilisation splints 0.8 - 1.5 mm, bruxism splints, dressing plates, occlusal splints, ...



Erkodur, clear

... orientation and measuring splints 1.0 - 5.0 mm, combines to Resilit-S (auto-acrylic resin, liquid/powder).



Erkodur, clear

Drilling template 2.0 - 5.0 mm.



Erkodur freeze

Transparent-turquoise coloured Erkodur, use as Erkodur.



Erkodur-A1, tooth-coloured

Temporary appliances 0.6 mm, stabilisation splints 1.0 mm, occlusal splints 1.0 mm + 2.0 mm. Also as cosmetic splint 1.0 mm + 2.0 mm, to put on cosmetically unfavourable teeth.



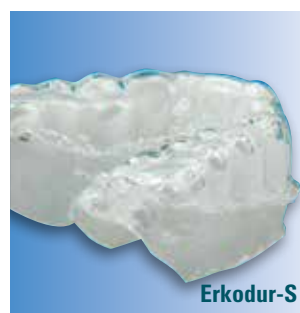
Erkodur-A3, tooth-coloured

Temporary appliances 0.6 mm, stabilisation splints 1.0 mm, occlusal splints 1.0 mm + 2.0 mm. Also as cosmetic splint 1.0 mm + 2.0 mm, to put on cosmetically unfavourable teeth.



Erkodur-C, clear

For laminated temporary appliances out of Erkodur-C and Erkosit (acrylic for temporary appliances, powder/liquid).



Erkodur-S, clear

Hard mid layer for Playsafe heavy-pro and light-pro sports-mouthguard, combines to Erkoflex.

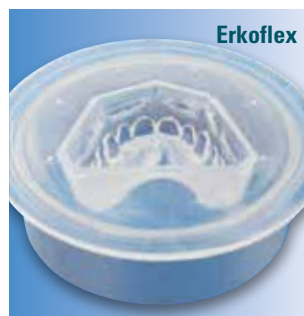


Thermoforming materials and applications



Erkoflex, transparent

Base for Playsafe sports-mouthguard 2.0 mm, positioners 3.0-5.0 mm.



Erkoflex, transparent

Duplication of demonstration models 4.0+5.0 mm, cover layer for Playsafe sports mouthguard 2.0+4.0 mm, elastic viscous material. Radiation protection splints 4.0+5.0 mm.



Erkoflex, transparent

Protection for models 1.0 mm, bracket transfer splints 1.5-2.0 mm.



Erkoflex-bleach, transparent

Bleaching and fluoride trays as well as other medication trays, 1.0 mm.



Erkoflex-95, transparent

Shore A 95, semi-soft adjustable occlusal splints 1.5-4.0 mm, single-layered sports-mouthguard 4.0 mm, radiation protection splints 4.0 mm, elastic with good memory.



Erkolen/Erkoflex-bleach, transparent

Fluoride trays with spacer (Erkolen).



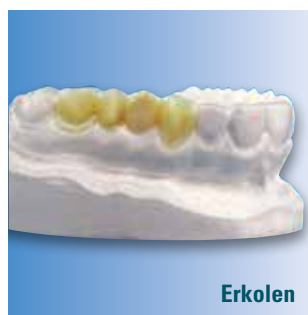
Erkoflex-color,

large choice of colours, see page 25

Coloured positioners 4.0 mm, coloured cover layer for Playsafe sports-mouthguard 2.0+4.0 mm, elastic viscous material.



All insulating foils applied ex works consist of:



Erkolen, transparent

Copings 0.5-0.8 mm, spacer 0.6-1.0 mm, temporary appliances 0.8-1.0 mm, gingival dressings 1.0 mm, retainers 1.0-3.0 mm, soft-elastic.



Erkolign, transparent

Most durable, very tough material. Does not bond to acrylate. Correction splints 1.0 mm (orthodontics), stabilisation and occlusal splints 1.0/2.0 mm.



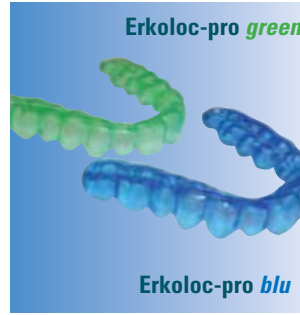
Thermoforming materials and applications



Erkoloc

Erkoloc, transparent

Comfortable stabilisation, occlusal and bruxism splints 1.8 + 3.0 mm, not for long-term therapy.



Erkoloc-pro green

Erkoloc-pro blu

Erkoloc-pro blu Erkoloc-pro green

The blue- and green-transparent coloring of the soft layer reduces discoloration and allows a better distinction between upper and lower jaw splint when producing anti-snoring devices like the Silensor-sl. Chemical and physical properties like Erkoloc-pro transparent.



Erkoloc-pro 3.0 mm, cut

Erkoloc-pro

Erkoloc-pro, transparent

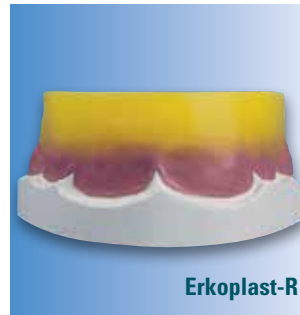
Comfortable stabilisation and occlusal splints 1.0 - 5.0 mm, soft layer 1.0 mm thickness for plates of 2.0 - 5.0 mm and 0.4 mm thickness for plates of 1.0 + 1.3 mm. Hard layer combines to Resilit-S (auto-acrylic resin, liquid/powder). Silensor-sl anti-snoring device 3.0 mm, comfortable retention splints with corrective effect 1.0 - 2.0 mm. Bleaching trays (1.0 mm). Considerably more resistant than Erkoloc.



Erkoplast-O

Erkoplast-O, white-opaque

Base plates, upper 1.5 mm and lower 2.5 mm, individual impression trays, upper 3.0 mm and lower 4.0 mm. Erkoplast-O has a very high torsional strength.



Erkoplast-R

Erkoplast-R, pink

Base plates, upper 1.5 mm and lower 2.5 mm.



Erkorit

Erkorit, clear

Functional trays, individual impression trays, upper 2.5 mm and lower 3.5 mm (clear). Erkorit has a very high torsional strength.



Usig-Foil

Usig-Foil, tooth-colour, opaque

Friction-generating copings, 0.5 mm. Abrasion-resistant, very tough material, antibacterially equipped. Glueable, bonds to acrylate.



UZF-Plus

UZF-Plus, clear

UZF-Plus as spacer/insulating foil, can be applied on each Erkodent foil. Also additionally on spacer/insulating foils that are already applied ex works. This enables a fit with less tension by shrinkage compensation and hygienically clean inner surfaces.



UZF-Cast

UZF-Cast

UZF-Cast as shrinkage compensation spacer foil for the fabrication of casting objects. Red and brown for Erkolen, clear for Erkodur-C.



prebite Dott. Pelosi



prebite Dott. Pelosi 85 10 20

20 pieces

Occlusal splint moulding blank for immediate, direct adaptation at the patient.

Immediate splint, temporary occlusal splint for immediate pain release and splint effectiveness testing.

In 5 minutes the splint is ,ready to go'.
Soften moulding blank for 10 - 15 seconds in boiling water, shortly dip in cold water and adapt onto the lower jaw, have the patient bite and wait for approx. 2 minutes, take it out and cut the handle, finished.

For heating of the prebite Dott. Pelosi we recommend our water bath.

Water bath 120 300

see page 15



heat



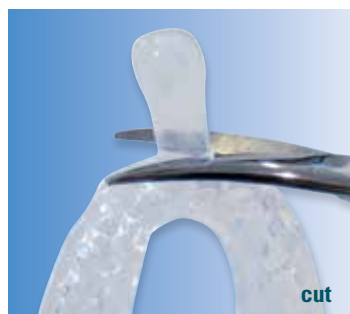
shortly cool down



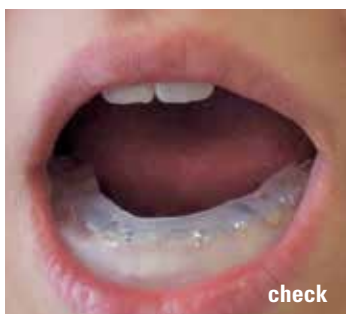
adapt



remove



cut



check



ready



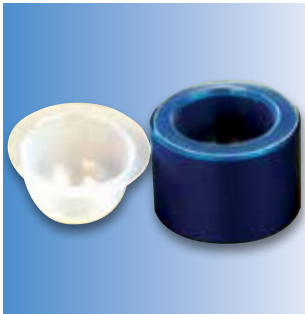
Dental office needs



Water bath 120 300

Contents app. 1.5 l, exactitude: +/- 5 °C
~230 volt/1800 watt

Favourably priced, infinitely variable water bath for wax, prebite Dott. Pelosi and other materials that should be warmed.



Mixing bowls

229 031
200 pieces 

229 030
6 holding rings, aluminium

To mix all liquids and powder/liquids used in the dental office.



Cold test spray 330 100

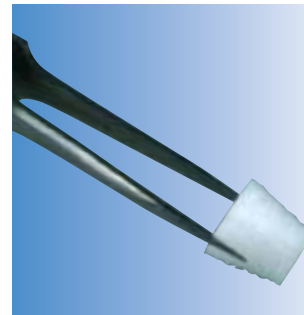
200 ml

Cold test spray, does not contain chlorofluorocarbons, harmless to ozone. Reaches up to -40 °C at room temperature!



Cotton pellet dispenser 220 530

Taking out of the pellets is possible without contamination of other pellets. Milled and anodized aluminium, autoclavable.



Special pellets 320 011

200 pellets

Foam pellets with open structure for cold test spray.

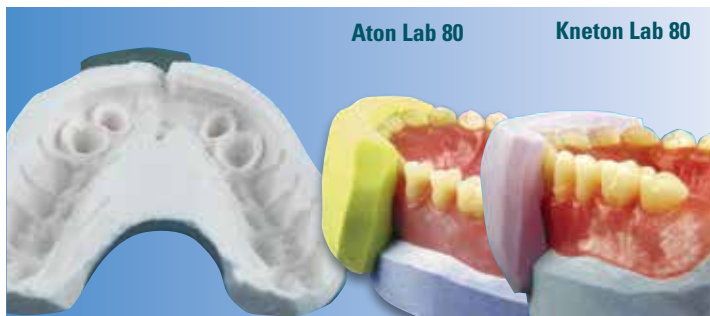


DIP-paste 312 000

45 g, 2 brushes

For detection of potential sore spots, ready for use. Apply the paste on denture, insert and allow to masticate for a short period. DIP free areas will show the sore spots. Ecologically beneficial compound. Simply washed off after use with soap (no soap substitutes).

Silicones



Sitran-F 413 020

150 ml-tube, high-flowing (light body)

Highly precise correction and two-stage impressions. Thixotrope and hydrophilic, well judgeable colour. Highly precise impression material on polysiloxane basis, condensation-cured, type 3, low consistency, high flowing.

Kneton/Sitran-F and -N are a precise condensation-cured impression system, medical products class 1 and are marked according to the EEC guidelines.

Kneton/Sitran-F and -N correspond to the norm **EN 24823**.



Addition- or condensation-cured stable lab moulding material with high final hardness.

For sectional moulds in case of repairs, for the use with hot- and cold-curing acrylics, for insulation of artificial teeth, etc.

Kneton

413 201 900 ml

413 205 2800 ml

Stable first-stage impression material (putty), well kneadable, with excellent dimensional properties. For first-stage impressions (corrective impression technique), for the double mixing technique, bite fixations, forming of functional borders etc. Highly precise impression material on polysiloxane basis, condensation-cured, type 0, very high consistency.



Sitran-N 413 010

150 ml-tube, low flowing (heavy body)

Highly precise one-stage impressions, rebasements, well judgeable colour. Highly precise impression material on polysiloxane basis, condensation cured, type 1, high consistency, low flowing.



Sitran-F/N

can be mixed individually. If they are mixed to equal parts, there will be a medium flowing consistency (medium body).

For more stable, highly precise corrective impressions and to use with individual impression trays, etc.

Otherwise like Sitran-F and -N.



Kneton Lab 80

415 701 900 ml

415 705 2800 ml

415 710 5600 ml

Condensation-cured, stable laboratory moulding material (putty) **Shore A 80**, high final hardness, well mixable, best dimensional properties, boilable.



Kneton Lab 95

415 751 900 ml

415 755 2800 ml

415 760 5600 ml

Condensation-cured, stable laboratory moulding material (putty) **Shore A 95**, high final hardness, well mixable, best dimensional properties, boilable.



Aton Lab 80

410 700 2 x 400 ml

410 701 2 x 900 ml

410 705 2 x 2800 ml

Addition-cured, stable laboratory moulding material (putty), **Shore A 80**, high final hardness, well mixable, best dimensional properties, boilable.



Hardener

413 735 35 ml-tube

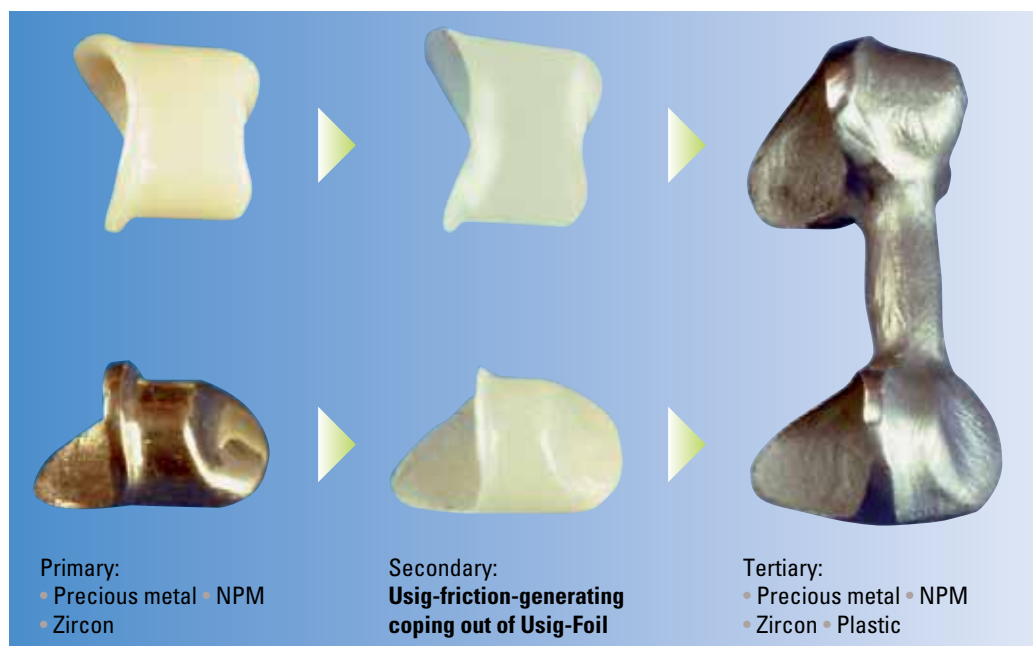
413 755 5 x 35 ml-tube

Universal hardener for condensation-cured Erkodent silicones.



Thermoformed friction-generating coping for the telescope and attachment technique (DBGM)

- Real friction
- Extremely comfortable insertion and taking for the patient and the practitioner
- By a simple re-working the friction is at any time optimisable
- Low material costs
- Extremely high saving of time
- Also metal free constructions are possible
- **Most simple fabrication with the Erkodent thermoforming technique**



- Embedding



- Thermoforming



- Cutting out



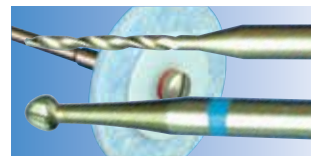
- Preparation bond



- Bond



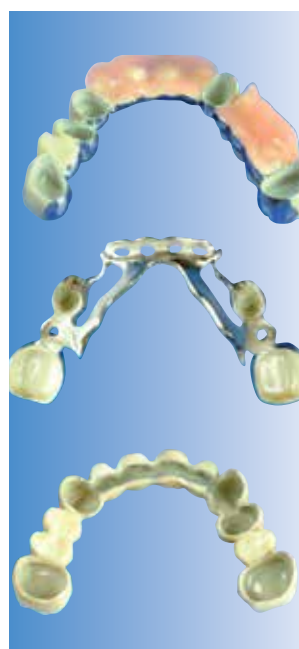
- ... finished



- Finishing



- Usig-Primer



The ingeniously simple system leads in telescopic works to a sliding area with precise real friction, firm fit and still allows an insertion and taking without seizing and a hydraulical feeling.

USIG-Set: 650 050

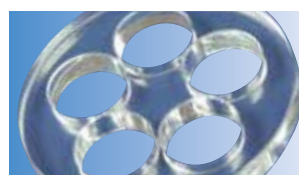
- Instructions
- Usig-Foils, 20 pieces, (650 005) antibacterially equipped, Ø 120 mm, thickness 0.5 mm
- Usig-Primer, 5 ml, (650 025)
- Usig-glue, 5 g, (650 010)
- Sample Liskoid polishing disc

For the fabrication:

- Filling granules fine, 1.3 kg, (110 861)
- Erkoskin, 50 ml, (625 050)
- HSS-twist drill, 3 pieces, (110 876)
- Liskoid polishing disc, 6 pieces, (223 205)
- Usig-HM spherical bur, 1 piece, (650 015)
- Telescope crown pliers, 1 piece, (650 020)



- Usig-glue



Accessories:

Usig-die disc 650 030

for better fixation of the dies in the granules.





Liquisteam-E 128 000

incl. immersion cradle with 4 clips and water reservoir with hose

Technical data:

W 37 cm/H 25 cm/D 34 cm, weight app. 13 kg, working pressure 6 bar, max. operating pressure 7 bar
~230 volt (110 volt)/1600 watt

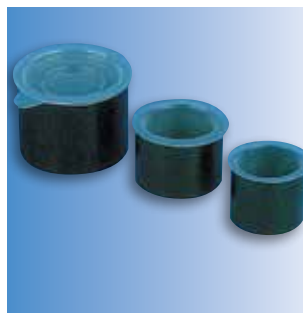
Polymerisation apparatus for pressure/hot-polymerisation of crown and bridge materials and prosthetic acrylics.

- Infinitely variable temperature adjustment from 0 - 120 °C, timer 0 - 60 min.
- The large container holds one flask or one Erkodent rebasement unit.
- Dry removal of the objects after polymerisation.



Special flask lever 128 400

Flask lever for standard flasks out of high-grade steel. Specially designed for the use in the Liquisteam-E unit.



Erkoring cups 239 163

1 set of supporting rings, size 1 - 3, each 10 cups
size 1 - 3, 3 covers fitting for all sizes

Suitable for mixing of all liquids in the dental practice or laboratory.

Other availability upon inquiry.

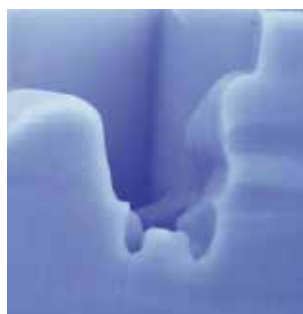


Secosil 411 100

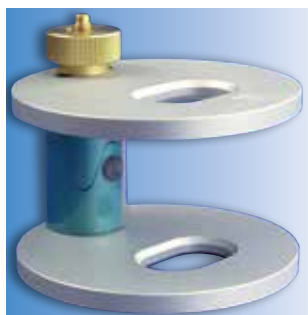
each 1000 ml A+B

Duplication silicone of special dimensional accuracy, tear-proof, pin-sharp detailed, high-flowing.

5 minutes pourable, 20 - 25 Shore A hardness



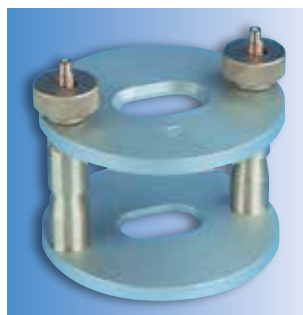
Secosil



Sindos 128 700

incl. 1 quick-acting knurled nut, 1 knurled nut with through-thread and 1 protective cover for column

128 706 protective cover for column



Rebasement unit 128 500

The upper baseplate is positioned by a conical guide. Efficient operation by quick-acting knurled nuts.
Out of anodized aluminium and brass.



Sindos

Rebasement unit

- Incomparable handling due to free accessibility.
- Always the same starting and final position with only one column.
- Best working control, very fast fabrication of base and center.
- Protective cover against soiling of the column.
- Out of brass and anodized, extremely stable aluminium.



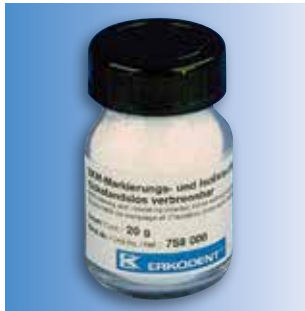
Polytrimmer-N 210 611 without tools

Lab handpiece to work (trim) plaster.
To be connected to the slip joint of the bur cable.

Tool set 210 612 complete

The tool set consists of 7 tools, large wide chisel, large grooved chisel, small grooved chisel, oblique chisel, narrow chisel, riveting tool and vibrating tool.

1 210 613	3 210 615	5 210 617	7 210 619
2 210 614	4 210 616	6 210 618	



EKM-powder 758 000

20 g

Marking powder for the waxing-up technique. Isolation powder for various uses.



Diemet

422 423 copper 422 424 bronze

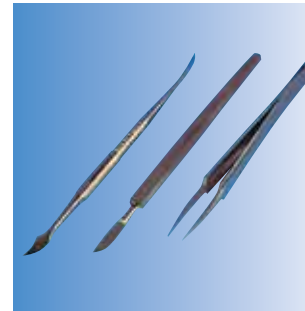
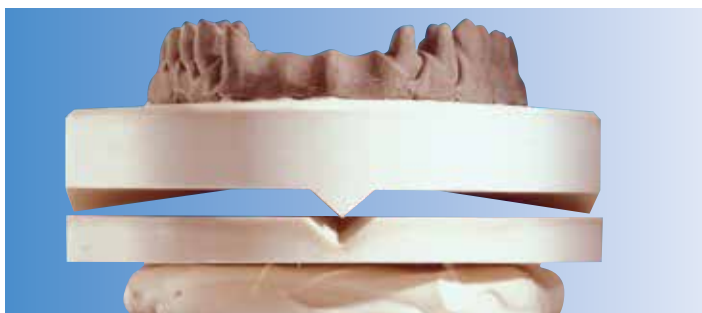
each pack with 360 g powder, 50 ml liquid and 1 model pin holder (ord. no. 220 430)

Quick-setting model die material on polyester base.
With copper and bronze powder.



Topsy 263 000

Ceramic brush shaper.
Mouth forming is out!



Wax instruments

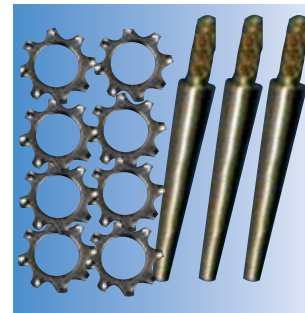
210 105 Modelling scalpel

210 104 Cutting scalpel

210 106 Tweezers

for modelling waxes and preformed wax elements.

Especially fine tweezers.



Retention rings

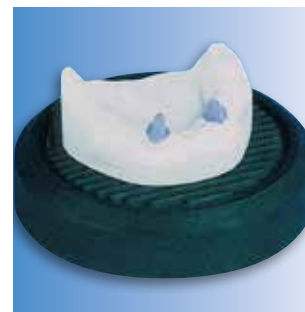
225 447 250 pcs 225 448 1000 pcs

Dowel Pins out of brass

223 441 100 pcs 227 441 1000 pcs

223 449 100 pcs 227 449 1000 pcs

with sticking device



Working block 267 000

Working block to elaborate, polish, etc. in an ergonomic position. Made from special solid rubber, stable and slide-resistant.

Erkosplit II 250 500 introductory package

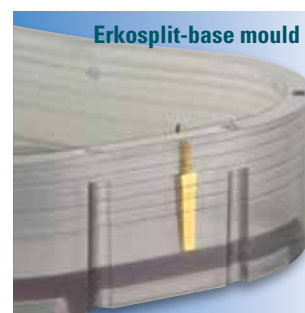
2 large and 2 small moulds, 20 Esplits, plastic, 20 magnet chambers and 4 magnets

The components are also available separately.

The finished plaster base stands on 3 points so that increases in bite height because of dirt particles are excluded.



Erkosplit II is a combination of split cast and a base mould. The models are fixed in the articulator by magnets or plastic parts (Esplit).



Measuring scales on the side walls permit accurate dosing of the required plaster quantity.

Waxes



Dipping wax 725 350

red, 200 g

Highly precise dipping wax with minimal shrinkage, oxide free. Plastic-like, viscous-hard, good memory and stability. Working temperature 95 - 100 °C.



Wax bite rims each 100 pieces angled

each 110 pieces straight

756 300 hard, pink

756 250 hard, pink-opaque

756 302 medium, light green

756 252 medium, light green-opaque

756 303 soft, orange

756 253 soft, orange-opaque

756 304 medium, red

756 254 medium, red-opaque

756 200 hard, pink-opaque

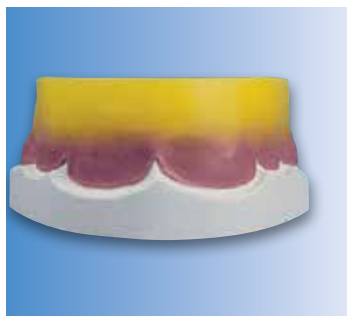
756 202 medium, light green-opaque

756 203 soft, orange-opaque

756 204 medium, red-opaque

Wax bite rims, angled or straight, with recess at the lower side for better fixing to the ridge. Three hardnesses, four colours, angled for full prosthesis, straight for partial prosthesis.

The wax bite rims are available with or without oxide. The opaque ones allow a much easier optical judgement.



Wax bite rims

Wax bite rims with opaque wax quality.



opaque

Wax bite rims

Wax bite rims with oxide free wax quality.



oxide free

Sticky wax 745 040

yellow, 50 g

Oxide free, low tension sticky wax.



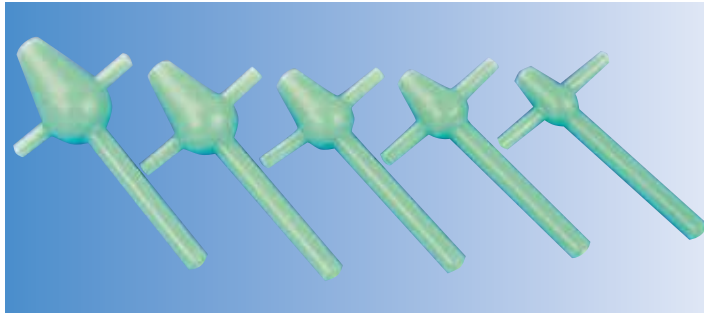
Wax casting sprues

736 010 Ø 6.5 mm, 200 pcs

736 014 Ø 8.0 mm, 200 pcs

Wax casting sprues, classical form, with reservoir shaft, thickness of shaft 3 mm.





Thiel line: problem solving, user friendly products, developed by and with DTM Thiel, Amtzell/Germany

Casting pears by DTM Thiel

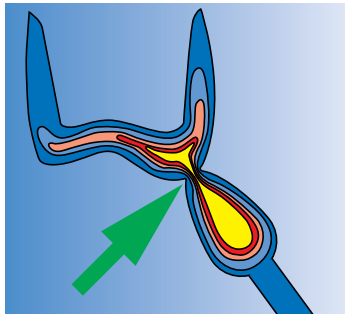
736 201 size 1, Ø 5 mm, 100 pieces

736 202 size 2, Ø 6 mm, 100 pieces

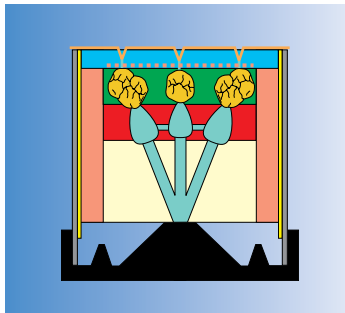
736 203 size 3, Ø 7 mm, 100 pieces

736 204 size 4, Ø 8 mm, 100 pieces

736 205 size 5, Ø 9 mm, 100 pieces



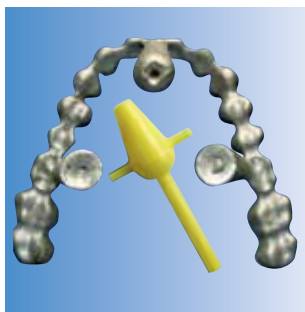
The pear is the ideal form to develop a heat centre. Adequate, consistent cooling-off, longer liquid metal reservoir and certain re-sucking of molten metal until the final solidification. The pear is fixed directly onto the casting object. The narrow pass between casting object and molten metal reservoir, which solidifies too early when using the classical form of casting sprues, does no longer exist. The results are less shrinkage cavities and porosities. The casting result can additionally be improved if the cast is limited to the pear and object.



Casting placing device by DTM Thiel 164 000

2 shells (size 3x and 6x) with corresponding labels for the casting flask zone

A correct placement in the flask is essential to avoid porosities. The homogeneity of the casted alloy fundamentally depends on the pointed and regular cooling of the casting objects until the complete solidifying. The casting placing device permits, in a most simple way, the placing of the casting objects in the correct place inside the casting flask.

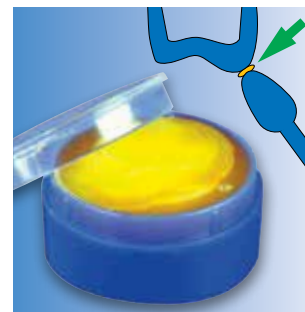


NPM-pears by DTM Thiel

736 303 Ø 9 mm, 100 pieces

736 304 Ø 10 mm, 100 pieces

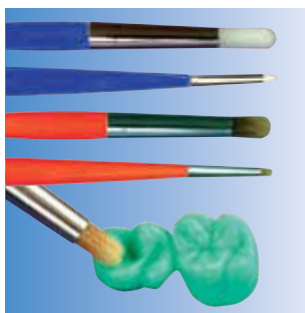
Pears especially designed for the casting of non-precious metals.



Connection wax by DTM Thiel

725 050 6 g, yellow-orange

Plastic wax condition, allows a safe combination of the casting sprue and the casting object without heat. Especially suitable for the connection of wax profiles in the model casting technique.



Wax brushes by DTM Thiel

725 100 set with 2 pieces

725 101 brush red 2 pieces

725 102 brush blue 2 pieces

Wax smoothing brushes and wax polishing brushes. The blue brush is for smoothing, the red brush is for polishing wax surfaces.

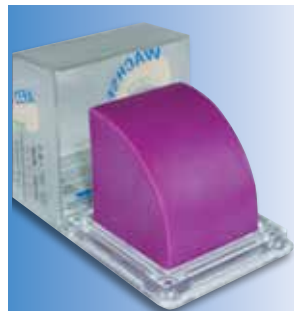
Waxes by DTM Thiel, have a high inner stability, are stable, hard, have best scraping and milling properties, do not smear, are very well formable in plastified condition and have an extremely low contraction.

The oxide free waxes, combustibile without residues, are also suited when casting ceramics.

Aesthetic waxes contain for optical reasons 0.2% non-combustible parts (titanoxide).

As per the norm, these may be marked as combustibile without residues, however, they are not suited when casting ceramics.

Cervical wax red, hard, breaks in case of undercuts, cervical wax orange is soft, tension-free and has a plastic wax condition. Cervical wax violet, mid-hard is formable in plastified condition without memory. Oxide free, combustibile without residues, suited when casting ceramics.

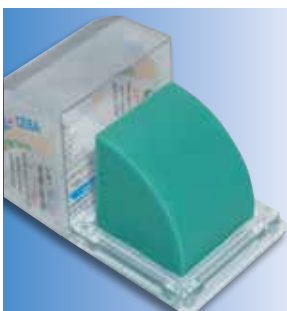


Blocking out wax,

50 g

725 055 lilac

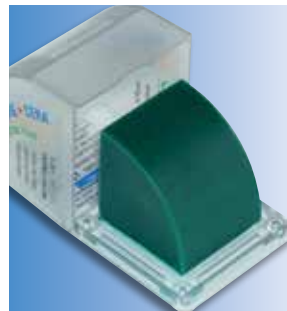
Very high melting point, good modelling abilities. Optically strongly opaque-lilac, contains titanoxide.



Milling wax, containing oxide

50 g

725 185 opaque-green



Milling wax, oxide free

50 g

725 085 green

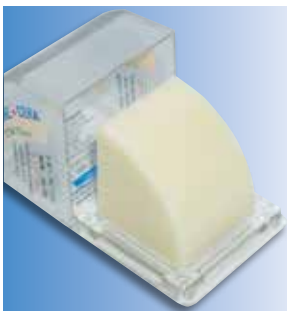


Blocking out wax,

50 g

725 080 transparent,

Very high melting point, good modelling abilities. For the thermoforming technique, oxide free.



Modelling wax, containing oxide

50 g

725 165 opaque-light-beige



Cervical wax, oxide free

50 g

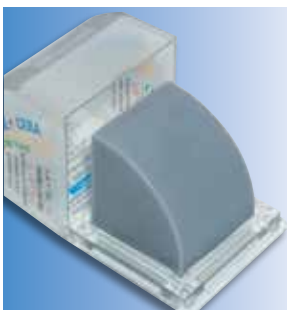
725 075 orange



Modelling wax, oxide free

50 g

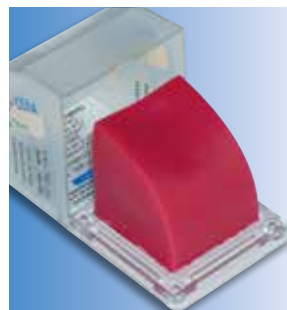
725 065 beige



Modelling wax, containing oxide

50 g

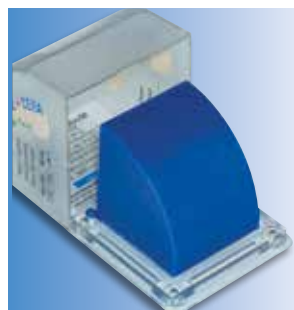
725 190 opaque-grey



Cervical wax, oxide free

50 g

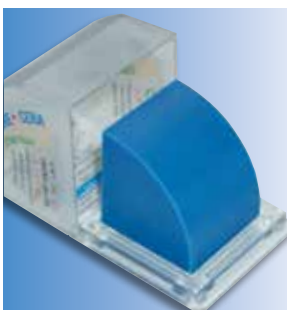
725 060 red



Modelling wax, oxide free

50 g

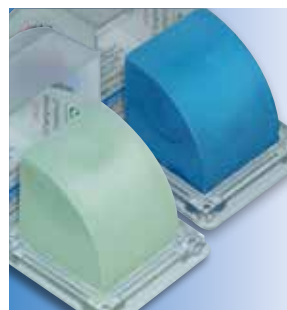
725 070 blue



Modelling wax, containing oxide

50 g

725 170 opaque-blue

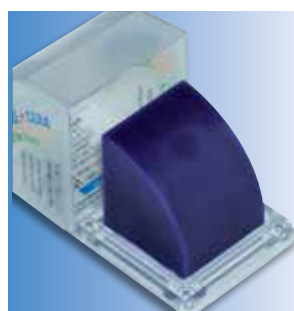


Scan wax by DTM Thiel

725 400 blue, 50 g

725 401 green, 50 g

Scan wax blue for Sirona scanner. Scan wax green for Kavo scanner.



Cervical wax, oxide free

50 g

725 090 violet



Modelling wax, containing oxide

50 g

725 195 opaque-orange, slightly softer



Sticky wax, oxide free

50 g

745 040 yellow

Oxide free, low tension sticky wax.

Applications	Material recommendation
Base plates	Erkoplast-R/-O, 1.5 and 2.5 mm, hard
Bite plates	Erkoplast-R/-O, 1.5 and 2.5 mm, hard
Bleaching trays	Erkoflex-bleach, 1.0 mm, soft Erkoloc-pro, 1.0 mm, soft/hard
Bruxism splints	see occlusal splints
Compression plates	see dressing plates
Copings	Erkodur, 0.5 - 0.8 mm, hard Erkolen, 0.5 - 0.8 mm, elastic
Cosmetic splints	Erkodur-A1/-A3, 1.0 and 2.0 mm, hard
Denture bases	Erkocryl, 2.0 and 2.5 mm, hard
Dressing plates	Erkocryl, 1.5 and 2.0 mm, hard Erkodur, 1.0 - 2.0 mm, hard
Duplication moulds	Erkoflex, 3.0 - 5.0 mm, soft
Fluoride trays	Erkoflex, 1.5 and 2.0 mm, soft Erkoflex-bleach, 1.0 mm, soft Erkoloc-pro, 1.0 mm, soft/hard
Functional trays	Erkoplast-O, 3.0 (upper), 4.0 mm (lower), h. Erkorit, 2.5 (upper), 3.5 mm (lower), hard
Gingival dressings	Erkolen, 1.0 and 1.5 mm, elastic
Individual impression trays	Erkoplast-O, 3.0 (upper), 4.0 mm (lower), h. Erkorit, 2.5 (upper), 3.5 mm (lower), hard
Insulating/spacer foils (for the casting technique)	UZF-Plus, 0.1 mm (UZF-Cast, 0.1/0.15 mm)
Interim prosthesis	Erkocryl, 2.0 and 2.5 mm, hard
Medication trays (like fluoride trays)	Erkoflex, 1.5 and 2.0 mm, soft Erkoflex-bleach, 1.0 mm, soft Erkoloc-pro, 1.0 mm, soft/hard
Michigan splints	Erkodur, 1.5 - 5.0 mm, hard Erkoloc-pro, 2.0 - 5.0 mm, soft/hard
Occlusal splints	Erkodur, 1.5 - 5.0 mm, hard Erkodur-A1/-A3, 2.0 mm, hard Erkoflex-95, 2.5 and 4.0 mm, soft Erkolign, 2.0 mm, tough-hard Erkoloc-pro, 2.0 - 5.0 mm, soft/hard
Playsafe sports mouthguards	Erkoflex, 2.0 and 4.0 mm, soft Erkoflex-color, 2.0 and 4.0 mm, soft Erkodur-S, 0.8 mm (heavy-/light-pro), hard Playsafe triple, 5.5 mm, soft/hard/soft
Radiation protection splints	Erkoflex, 4.0 and 5.0 mm, soft Erkoflex-95, 4.0 mm, soft
Silensor-sl anti-snoring device	Erkodur, 2.0 and 3.0 mm, hard Erkodur-A1/-A3, 2.0 mm, hard Erkoloc-pro, 3.0, mm, soft/hard
Spacer for medicaments	Erkolen, 1.0 mm, elastic
Stabilization splints	Erkodur, 1.0 mm, hard Erkodur-A1/-A3, 1.0 mm, hard Erkolign, 1.0 mm, tough-hard Erkoloc-pro, 1.0 mm, soft/hard
Temporary appliances, combined	Erkodur-C, 0.6 - 1.0 mm, clear, hard Erkodur, 0.6 - 1.0 mm, clear, hard Erkodur-A1/-A3, 0.6 and 1.0 mm, hard
Temporary appliances, only mould	Erkolen, 0.8 and 1.0 mm, elastic
Usig friction-generating coping	Usig-Foil, 0.5 mm, hard

Implantology

Drilling-, planning and X-ray templates	Erkodur, 1.0 - 4.0 mm, hard
Protection splints	Erkodur, 1.0 mm, hard Erkoflex-95, 1.5 mm, soft Erkolign, 1.0 mm, very tough

Orthodontics

Bracket transfer/etching masks	Erkolen, 0.8 and 1.0 mm, elastic
Bracket transfer splints	Erkoflex, 1.5 and 2.0 mm, soft
Correction splints	Erkodur, 1.0 and 1.5 mm, hard Erkolign, 1.0 mm, very tough Erkoloc-pro, 1.0 and 1.3 mm, soft/hard
Extension-, orthodontic and retention plates	Erkocryl, 2.0 and 2.5 mm, hard
Positioners	Erkoflex, 3.0 - 5.0 mm, soft
Retainers	Erkodur, 0.6 - 1.5 mm, hard Erkolign, 1.0 mm, very tough Erkoloc-pro 1.0 - 2.0 mm, soft/hard

Selection of the right material thickness

To select the right material thickness it has to be taken into consideration that the thermoforming material loses 20 - 25 % of its original thickness when forming a model area of 1 cm height, for 2 cm height the loss is 30 - 40 %.

For occlusal splints the thickness is selected according to the desired verticalisation that possibly still allows a grinding-in without additional adjustment.

Plastification

in units without time or temperature control

- For the most materials please proceed as follows: Check softness with instrument. If permanent impressions result, thermoform.
- Erkolen, Erkoflex-bleach and Erkoflex-95 become clear upon heating, then thermoform. Heat Erkoflex and Erkodur-C until the foil sags app. 2 cm, afterwards thermoform.

Please also pay attention to the indications in the respective operating instructions.

Biocompatibility • allergic reactions

All thermoforming materials are tested on their biocompatibility.

They correspond to the EC Directive 93/42/EEC (medical products class 1) with changes as per 2007/47/EC and are marked CE. Up to now (2013) there are only two suspected cases of allergic reactions to the materials known, but allergic reactions cannot be excluded.

Instructions for cleaning and maintenance

The appliances (splints) fabricated out of thermoforming materials should be cleaned and maintained as follows:

- Best results are achieved with Oxydens cleansing tablets for dental splints (280 030, Oxydens Clean-set, 280 032, 32 cleansing tablets). Further cleaning agents: Soap, curd soap, liquid soap and dish-washers. Do not use any strongly perfumed soaps. Not suited are: tooth-paste (contains abrasive particles), mouth-wash (can cause discolouring) and water that is hotter than 50 °C (deformation). Solvent-based cleaning agents cause delamination of multi-layered splints.

After use:

- Well wash with water.
- Best is to thoroughly clean the inner and exterior side of the splint with a tooth brush and soap.
- Again well wash with water.
- Shake off the water or dry with a towel.
- Never blow-dry - deformation!
- Very important: Allow the splint to completely dry!
Keep at a dry place, at best in a box like the Erkobox (215 030) or Splintbox (214 020) that has aeration holes.
- Again wash with water before using it.

Generation of bad smells

If after some time the splint has adopted a strong smell, additionally put the splint for one hour in a non-perfumed, concentrated soap solution, afterwards thoroughly wash with water.

Such a soap sud removes most of the smell generating bacteria.

Discolouring

Soft thermoforming materials have the tendency to discolour. This intake of colour pigments can be reduced or avoided by a careful maintenance but it cannot be reversed. Mouth-washes and amalgam fillings can also cause discolouring.

Disinfection

With the exception of Erkoloc and Erkoloc-pro/*blu/green* all thermoforming materials can be disinfected with disinfection alcohol and other commercial liquids. Erkoloc and Erkoloc-pro/*blu/green* have to be stored for app. 5 hours at a dry place without any pressure on it after having contact with alcohol in order to ensure that the alcohol can evaporate completely. Otherwise a bonding of the hard and soft layers is no longer guaranteed.

Sterilisation

A sterilisation with gas and plasma (<50 °C) is possible. As a result of the thermolability the materials are not autoclavable.

Predrying:




















Erkodur:
0.5 - 2.0 mm, 5 hrs, 60 °C
3.0 - 5.0 mm, 8 hrs, 60 °C

Erkodur-C:
0.5/0.6 mm, 40 min., 80 °C
0.8 mm, 50 min., 80 °C
1.0 mm, 60 min., 80 °C

Erkoloc-pro:
1.0 - 5.0 mm, 48 hrs, 60 °C

Erkocryl:
1.5 mm, 3 hrs, 90 °C
2.0 mm, 5 hrs, 90 °C
2.5 mm, 7 hrs, 90 °C

Thermoforming materials

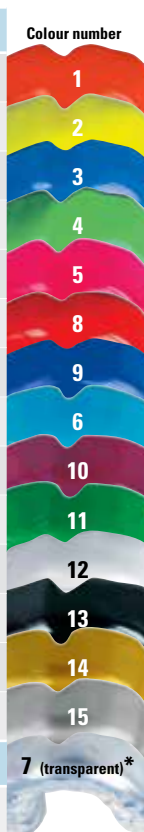
Thermoforming material		Colour	Material characteristics
Erkocryl		clear or coloured	Stable, hard, acrylate based material. Bonds to acrylate (Resilit-S).
Erkodur Erkodur <i>freeze</i>		clear turquoise-transp.	Resistant, hard-elastic material. Burns without residues. Bonds to acrylate (Resilit-S).
Erkodur-A1/-A3		tooth colour	Resistant, hard-elastic material. Burns without residues. Bonds to acrylate (Resilit-S).
Erkodur-C		clear	Hard-elastic material. Burns without residues. Bonds to acrylate (Resilit-S).
Erkodur-S		clear	Hard-elastic material. Burns without residues. Bonds to acrylate (Resilit-S). Bonds with heat to Erkoflex.
Erkoflex		transparent or coloured	Rubbery, tough, soft-elastic material. Can be bonded by heating or a fusing gun with Erkoflexsticks-82. Hardness Shore A: 82
Erkoflex-95		transparent	Tough, soft-elastic material. Can be adjusted by heating or a fusing gun with Erkoflexsticks-95 (not bonded). Hardness Shore A: 95
Erkoflex-bleach		transparent	Tough, soft-elastic material with good memory. Hardness Shore A: 95
Erkolen		transparent	Soft material, burns without residues, low elastic memory.
Erkolign		transparent	Extremely resistant, break-stable material. Slightly higher shrinkage, thermoform only with UZF-Plus 0.1 mm.
Erkoloc		transparent	Double-layer plate hard/soft. Hard layer bonds to acrylate (Resilit-S). Allow to rest for app. 2 hours in order to ensure a stable bond. Not suitable for longterm therapy.
Erkoloc-pro Erkoloc-pro <i>blu/green</i>		transparent blu/green transp.	Double-layer plate hard/soft. Resistant material with high wearing comfort. Hard side bonds to acrylate (Resilit-S).
Erkoplast-O		white-opaque	Impact resistant, very rigid material. LG-tray handles can be applied using the LG-Primer. Bonds to acrylate (Resilit-S).
Erkoplast		pink	Impact resistant, rigid material. Bonds to acrylate (Resilit-S).
Erkorit		clear	Impact resistant, very rigid material. LG-tray handles can be applied using the LG-Primer. Bonds to acrylate (Resilit-S).
Playsafe triple foil		transparent or coloured	Triple-layer plate soft/hard/soft.
Usig-Foil		tooth colour, opaque	Abrasion-resistant, very tough material, antibacterially equipped. Glueable, bonds to acrylate.
UZF-Cast		red clear brown	Spacer foils (shrinkage compensation) for the casting technique, brown and red for Erkolen, clear for Erkodur-C, UZF-A for Erkomini.
UZF-Plus		clear with imprint	UZF-Plus can be applied by one or two layers on each Erkodent foil as spacer/insulating foil. Also additionally (then only one layer) on spacer/insulating foils that are already applied ex works.



Insulating foil for insulating and shrinkage compensation

Thickness 2 mm, order number (contents)
(temperature and heating times see foil packaging)

Colour	Ø 120 mm	125x125 mm	Ø 125 mm
bright red	58 12 21 (5)	58 17 21 (5)	58 19 21 (5)
bright yellow	58 12 22 (5)	58 17 22 (5)	58 19 22 (5)
bright blue	58 12 23 (5)	58 17 23 (5)	58 19 23 (5)
bright green	58 12 24 (5)	58 17 24 (5)	58 19 24 (5)
bright pink	58 12 25 (5)	58 17 25 (5)	58 19 25 (5)
deep red	58 12 26 (5)	58 17 26 (5)	58 19 26 (5)
dark blue	58 12 27 (5)	58 17 27 (5)	58 19 27 (5)
light blue	58 12 28 (5)	58 17 28 (5)	58 19 28 (5)
maroon	58 12 31 (5)	58 17 31 (5)	58 19 31 (5)
deep green	58 12 32 (5)	58 17 32 (5)	58 19 32 (5)
pure white	58 12 33 (5)	58 17 33 (5)	58 19 33 (5)
deep black	58 12 34 (5)	58 17 34 (5)	58 19 34 (5)
gold	58 12 35 (5)	58 17 35 (5)	58 19 35 (5)
silver	58 12 36 (5)	58 17 36 (5)	58 19 36 (5)
Colour set, plain colours, 15 pieces (incl. transparent)			
	58 12 29 (15)	58 17 29 (15)	58 19 29 (15)



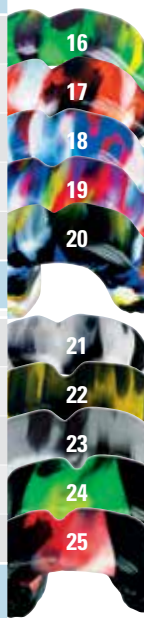
Thickness 4 mm, order number (contents)
(temperature and heating times see foil packaging)

Colour	Ø 120 mm	125x125 mm	Ø 125 mm
bright red	58 12 41 (5)	58 17 41 (5)	58 19 41 (5)
bright yellow	58 12 42 (5)	58 17 42 (5)	58 19 42 (5)
bright blue	58 12 43 (5)	58 17 43 (5)	58 19 43 (5)
bright green	58 12 44 (5)	58 17 44 (5)	58 19 44 (5)
bright pink	58 12 45 (5)	58 17 45 (5)	58 19 45 (5)
deep red	58 12 46 (5)	58 17 46 (5)	58 19 46 (5)
dark blue	58 12 47 (5)	58 17 47 (5)	58 19 47 (5)
light blue	58 12 48 (5)	58 17 48 (5)	58 19 48 (5)
maroon	58 12 51 (5)	58 17 51 (5)	58 19 51 (5)
deep green	58 12 52 (5)	58 17 52 (5)	58 19 52 (5)
pure white	58 12 53 (5)	58 17 53 (5)	58 19 53 (5)
deep black	58 12 54 (5)	58 17 54 (5)	58 19 54 (5)
gold	58 12 55 (5)	58 17 55 (5)	58 19 55 (5)
silver	58 12 56 (5)	58 17 56 (5)	58 19 56 (5)
Colour set, plain colours, 15 pieces (incl. transparent)			
	58 12 49 (15)	58 17 49 (15)	58 19 49 (15)

Freestyle colours

Thickness 2 mm, order number (contents)
(temperature and heating times see foil packaging)

Colour	Ø 120 mm	125x125 mm	Ø 125 mm
camouflage	58 12 60 (5)	58 17 60 (5)	58 19 60 (5)
lava	58 12 61 (5)	58 17 61 (5)	58 19 61 (5)
tie-dye	58 12 62 (5)	58 17 62 (5)	58 19 62 (5)
rainbow	58 12 63 (5)	58 17 63 (5)	58 19 63 (5)
confetti	58 12 64 (5)	58 17 64 (5)	58 19 64 (5)
Freestyle Set**	58 12 69 (5)	58 17 69 (5)	58 19 69 (5)
zebra	58 12 65 (5)	58 17 65 (5)	58 19 65 (5)
goldflakes	58 12 66 (5)	58 17 66 (5)	58 19 66 (5)
silverflakes	58 12 67 (5)	58 17 67 (5)	58 19 67 (5)
camouflagestrip	58 12 68 (5)	58 17 68 (5)	58 19 68 (5)
lavastrip	58 12 70 (5)	58 17 70 (5)	58 19 70 (5)
Freestyle-blackline Set**	58 12 79 (5)	58 17 79 (5)	58 19 79 (5)



Freestyle colours

Thickness 4 mm, order number (contents)
(temperature and heating times see foil packaging)

Colour	Ø 120 mm	125x125 mm	Ø 125 mm
camouflage	58 12 80 (5)	58 17 80 (5)	58 19 80 (5)
lava	58 12 81 (5)	58 17 81 (5)	58 19 81 (5)
tie-dye	58 12 82 (5)	58 17 82 (5)	58 19 82 (5)
rainbow	58 12 83 (5)	58 17 83 (5)	58 19 83 (5)
confetti	58 12 84 (5)	58 17 84 (5)	58 19 84 (5)
Freestyle Set**	58 12 89 (5)	58 17 89 (5)	58 19 89 (5)
zebra	58 12 85 (5)	58 17 85 (5)	58 19 85 (5)
goldflakes	58 12 86 (5)	58 17 86 (5)	58 19 86 (5)
silverflakes	58 12 87 (5)	58 17 87 (5)	58 19 87 (5)
camouflagestrip	58 12 88 (5)	58 17 88 (5)	58 19 88 (5)
lavastrip	58 12 90 (5)	58 17 90 (5)	58 19 90 (5)
Freestyle-blackline Set**	58 12 99 (5)	58 17 99 (5)	58 19 99 (5)

* Order numbers for Erkoflex transparent, see list next page

** Freestyle set und freestyle-blackline set (assorted, 5 pcs)

Thickness 5.5 mm, Erkoflex 3.0 mm (soft), triple layer 1.0 mm (hard), Erkoflex 1.5 mm (soft)
(temperature and heating time see foil packaging)

Playsafe triple start set, Ø 120 mm, 177 810: 1 Playsafe triple set with transparent foil, 1 Playsafe bite spacer, 1 Playsafe face chuck

Playsafe triple set, Ø 120 mm, 1 Playsafe triple foil (colour has to be indicated), 1 label, 1 Erkobox, 1 sample FG-sheet, instructions

177 820 single coloured (1 - 15)

177 823 four-coloured (1 - 15)

177 821 two-coloured (1 - 15)

177 824 freestyle (16 - 23)

177 822 three-coloured (1 - 15)

177 819 freestyle strip (24 + 25)

Playsafe triple foils, Ø 120 mm, 5 triple foils of the same colour (colour has to be indicated), 5 labels, 1 sample FG-sheet, instr.

177 825 single coloured (1 - 15)

177 828 four-coloured (1 - 15)

177 826 two-coloured (1 - 15)

177 829 freestyle (16 - 23)

177 827 three-coloured (1 - 15)

177 830 freestyle strip (24 + 25)

Material	Ft	Tft	Ht	Order number (Contents)	Order number (Contents)	Order number (Contents)
	mm	°C	min	Ø 120 mm	125 x 125 mm	Ø 125 mm
Erkocryl clear	1.50	195	1.55	57 12 15 (10) • 57 42 15 (50)		
	2.00	195	2.20	57 12 20 (10) • 57 42 20 (50)		
	2.50	195	2.55	57 12 25 (10) • 57 42 25 (50)		
Erkodur clear, with insulating foil	0.50	160	0.35	52 12 05 (20) • 52 42 05 (100)	52 14 05 (20) • 52 44 05 (100)	52 15 05 (20) • 52 45 05 (100)
	0.60	160	0.40	52 12 06 (20) • 52 42 06 (100)	52 14 06 (20) • 52 44 06 (100)	52 15 06 (20) • 52 45 06 (100)
	0.80	160	0.45	52 12 08 (20) • 52 42 08 (100)	52 14 08 (20) • 52 44 08 (100)	52 15 08 (20) • 52 45 08 (100)
	1.00	160	0.50	52 12 10 (20) • 52 42 10 (100)	52 14 10 (20) • 52 44 10 (100)	52 15 10 (20) • 52 45 10 (100)
	1.50	160	1.05	52 12 15 (10) • 52 42 15 (50)	52 14 15 (10) • 52 44 15 (50)	52 15 15 (10) • 52 45 15 (50)
	2.00	155	1.25	52 12 20 (10) • 52 42 20 (50)	52 14 20 (10) • 52 44 20 (50)	52 15 20 (10) • 52 45 20 (50)
	3.00	155	2.05	52 12 30 (10) • 52 42 30 (50)	52 14 30 (10) • 52 44 30 (50)	52 15 30 (10) • 52 45 30 (50)
	4.00	155	2.40	52 12 40 (10) • 52 42 40 (50)		52 15 40 (10) • 52 45 40 (50)
Erkodur freeze turquoise-transparent, with insulating foil	1.00	160	0.50	52 91 10 (20) • 52 94 10 (100)	52 86 10 (20) • 52 88 10 (100)	52 75 10 (20) • 52 76 10 (100)
	1.50	160	1.05	52 91 15 (10) • 52 94 15 (50)	52 86 15 (10) • 52 88 15 (50)	52 75 15 (10) • 52 76 15 (50)
	2.00	155	1.25	52 91 20 (10) • 52 94 20 (50)	52 86 20 (10) • 52 88 20 (50)	52 75 20 (10) • 52 76 20 (50)
	3.00	155	2.05	52 91 30 (10) • 52 94 30 (50)	52 86 30 (10) • 52 88 30 (50)	52 75 30 (10) • 52 76 30 (50)
Erkodur-A1 tooth colour, with insulating foil	0.60	170	0.40	52 22 06 (20)	52 24 06 (20)	52 19 06 (20)
	1.00	165	0.50	52 22 10 (20)	52 24 10 (20)	52 19 10 (20)
	2.00	155	1.25	52 22 20 (10)	52 24 20 (10)	52 19 20 (10)
Erkodur-A3 tooth colour, with insulating foil	0.60	170	0.40	52 62 06 (20)	52 69 06 (20)	52 65 06 (20)
	1.00	165	0.50	52 62 10 (20)	52 69 10 (20)	52 65 10 (20)
	2.00	155	1.25	52 62 20 (10)	52 69 20 (10)	52 65 20 (10)
Erkodur-C clear	0.50	170	0.45	52 52 05 (20) • 52 82 05 (100)		
	0.60	170	0.50	52 52 06 (20) • 52 82 06 (100)	52 54 06 (20) • 52 84 06 (100)	52 55 06 (20) • 52 85 06 (100)
	0.80	170	1.00	52 52 08 (20) • 52 82 08 (100)		
	1.00	170	1.10	52 52 10 (20) • 52 82 10 (100)		
Erkodur-S clear	0.80	160	0.40	52 13 08 (20)	52 18 08 (20)	52 29 08 (20)
Erkoflex transparent, with insulating foil Temperature- and time indication for Erkoflex without insulating foil, see instructions	1.00	130	0.40	58 12 10 (20) • 58 42 10 (100)	58 17 10 (20) • 58 47 10 (100)	58 19 10 (20) • 58 49 10 (100)
	1.50	130	0.55	58 12 15 (10) • 58 42 15 (50)	58 17 15 (10) • 58 47 15 (50)	58 19 15 (10) • 58 49 15 (50)
	2.00	130	1.25	58 12 20 (10) • 58 42 20 (50)	58 17 20 (10) • 58 47 20 (50)	58 19 20 (10) • 58 49 20 (50)
	3.00	130	2.25	58 12 30 (10) • 58 42 30 (50)	58 17 30 (10) • 58 47 30 (50)	58 19 30 (10) • 58 49 30 (50)
	4.00	120	3.05	58 12 40 (10) • 58 42 40 (50)	58 17 40 (10) • 58 47 40 (50)	58 19 40 (10) • 58 49 40 (50)
	5.00	120	3.30	58 12 50 (10) • 58 42 50 (50)	58 17 50 (10) • 58 47 50 (50)	58 19 50 (10) • 58 49 50 (50)
Erkoflex-95 transparent, with insulating foil	1.50	155	1.15	58 92 15 (10) • 58 94 15 (50)	58 69 15 (10) • 58 67 15 (50)	58 59 15 (10) • 58 54 15 (50)
	2.50	140	1.55	58 92 25 (10) • 58 94 25 (50)	58 69 25 (10) • 58 67 25 (50)	58 59 25 (10) • 58 54 25 (50)
	4.00	130	2.45	58 92 40 (10) • 58 94 40 (50)	58 69 40 (10) • 58 67 40 (50)	58 59 40 (10) • 58 54 40 (50)
Erkoflex-bleach transp., with insul. f.	1.00	175	0.55	58 13 10 (20) • 58 43 10 (100)	58 18 10 (20) • 58 48 10 (100)	58 15 10 (20) • 58 45 10 (100)
Erkolen transparent, with insulating foil	0.50	175	0.35	51 12 05 (20) • 51 42 05 (100)	51 13 05 (20) • 51 43 05 (100)	51 15 05 (20) • 51 45 05 (100)
	0.60	175	0.40	51 12 06 (20) • 51 42 06 (100)	51 13 06 (20) • 51 43 06 (100)	51 15 06 (20) • 51 45 06 (100)
	0.70	170	0.45	51 12 07 (20) • 51 42 07 (100)	51 13 07 (20) • 51 43 07 (100)	51 15 07 (20) • 51 45 07 (100)
	0.80	170	0.55	51 12 08 (20) • 51 42 08 (100)	51 13 08 (20) • 51 43 08 (100)	
	1.00	165	1.00	51 12 10 (20) • 51 42 10 (100)	51 13 10 (20) • 51 43 10 (100)	51 15 10 (20) • 51 45 10 (100)
	1.50	160	1.35	51 12 15 (10) • 51 42 15 (50)	51 13 15 (10) • 51 43 15 (50)	
	2.00	150	2.05	51 12 20 (10) • 51 42 20 (50)	51 13 20 (10) • 51 43 20 (50)	51 15 20 (10) • 51 45 20 (50)
	3.00	140	2.55	51 12 30 (10) • 51 42 30 (50)	51 13 30 (10) • 51 43 30 (50)	
Erkolign transparent, with insulating foil	1.00	200	1.50	54 12 10 (20) • 54 42 10 (100)		54 15 10 (20) • 54 45 10 (100)
	2.00	200	2.40	54 12 20 (10) • 54 42 20 (50)		54 15 20 (10) • 54 45 20 (50)
Erkoloc transparent, with insulating foil	1.80	135	1.20	59 12 18 (10) • 59 42 18 (50)	59 18 18 (10) • 59 48 18 (50)	59 15 18 (10) • 59 45 18 (50)
	3.00	120	2.05	59 12 30 (10) • 59 42 30 (50)	59 18 30 (10) • 59 48 30 (50)	59 15 30 (10) • 59 45 30 (50)
Erkoloc-pro transparent, with insulating foil	1.00	160	1.00	59 51 10 (20) • 59 54 10 (100)	59 52 10 (20)	59 55 10 (20)
	1.30	160	1.10	59 51 13 (20) • 59 54 13 (100)	59 52 13 (20)	59 55 13 (20)
	2.00	170	1.55	59 51 20 (10) • 59 54 20 (50)	59 52 20 (10)	59 55 20 (10)
	3.00	165	2.40	59 51 30 (10) • 59 54 30 (50)	59 52 30 (10)	59 55 30 (10)
	4.00	160	3.25	59 51 40 (10) • 59 54 40 (50)		59 55 40 (10)
	5.00	160	4.30	59 51 50 (10) • 59 54 50 (50)		59 55 50 (10)


Material	Ft	Tft	Ht	Order number (Contents)	Order number (Contents)	Order number (Contents)
	mm	°C	min	Ø 120 mm	125 x 125 mm	Ø 125 mm
Erkoloc-pro <i>blue</i> blue-transparent, with insulating foil	2.00	170	1.55	59 56 20 (10) • 59 58 20 (50)	59 76 20 (10)	59 66 20 (10)
	3.00	165	2.40	59 56 30 (10) • 59 58 30 (50)	59 76 30 (10)	59 66 30 (10)
	4.00	160	3.25	59 56 40 (10) • 59 58 40 (50)		59 66 40 (10)
	5.00	160	4.30	59 56 50 (10) • 59 58 50 (50)		59 66 50 (10)
Erkoloc-pro <i>green</i> green-transparent, with insulating foil	2.00	170	1.55	59 72 20 (10) • 59 74 20 (50)	59 65 20 (10)	59 82 20 (10)
	3.00	165	2.40	59 72 30 (10) • 59 74 30 (50)	59 65 30 (10)	59 82 30 (10)
	4.00	160	3.25	59 72 40 (10) • 59 74 40 (50)		59 82 40 (10)
	5.00	160	4.30	59 72 50 (10) • 59 74 50 (50)		59 82 50 (10)
Erkoplast-O white-opaque	1.50	165	1.25	55 15 15 (10) • 55 45 15 (50)	55 28 15 (10) • 55 48 15 (50)	55 19 15 (10) • 55 49 15 (50)
	2.50	150	1.45	55 15 25 (10) • 55 45 25 (50)	55 28 25 (10) • 55 48 25 (50)	55 19 25 (10) • 55 49 25 (50)
	3.00	150	2.05	55 15 30 (10) • 55 45 30 (50)	55 28 30 (10) • 55 48 30 (50)	55 19 30 (10) • 55 49 30 (50)
	4.00	150	3.00	55 15 40 (10) • 55 45 40 (50)	55 28 40 (10) • 55 48 40 (50)	55 19 40 (10) • 55 49 40 (50)
Erkoplast-R pink	1.50	165	1.15	55 12 15 (10) • 55 42 15 (50)	55 14 15 (10) • 55 44 15 (50)	
	2.50	150	1.35	55 12 25 (10) • 55 42 25 (50)	55 14 25 (10) • 55 44 25 (50)	
	3.00	150	1.55	55 12 30 (10) • 55 42 30 (50)	55 14 30 (10) • 55 44 30 (50)	
	4.00	150	2.50	55 12 40 (10) • 55 42 40 (50)	55 14 40 (10) • 55 44 40 (50)	
Erkorit clear	2.50	165	1.45	56 12 25 (10) • 56 42 25 (50)	56 14 25 (10) • 56 44 25 (50)	56 15 25 (10) • 56 45 25 (50)
	3.50	160	2.35	56 12 35 (10) • 56 42 35 (50)	56 14 35 (10) • 56 44 35 (50)	56 15 35 (10) • 56 45 35 (50)
Usig-Foil tooth colour-opaque w. i. f.	0.50	160	0.30	65 00 05 (20)		
UZF-Cast red, for Erkolen clear, for Erkodur-C brown, for Erkolen	0.10			53 11 01 (100)		53 25 01 (100)
	0.10			53 11 11 (100)		
	0.15			53 11 15 (100)		
UZF-Cast , spacer foil for the casting technique						
UZF-Plus clear with logo	0.10			53 12 01 (50)		

UZF-Plus on red carrier foil, can be applied by one or two layers as spacer/insulating foil on each Erkodent foil. Also additionally (by one layer) on already ex works applied spacer/insulating foils.

Material	Ft	Order number (Contents)
	mm	Ø 70 mm
Erkodur clear, with insulating foil	0.50	52 67 05 (20) • 52 47 05 (100)
	0.60	52 67 06 (20) • 52 47 06 (100)
	0.80	52 67 08 (20) • 52 47 08 (100)
Erkodur-C clear	0.50	52 70 05 (20) • 52 74 05 (100)
	0.60	52 70 06 (20) • 52 74 06 (100)
	0.80	52 70 08 (20) • 52 74 08 (100)
Erkolen clear	0.50	51 67 05 (20) • 51 47 05 (100)
	0.60	51 67 06 (20) • 51 47 06 (100)
	0.70	51 67 07 (20) • 51 47 07 (100)
	0.80	51 67 08 (20) • 51 47 08 (100)
	1.00	51 67 10 (20) • 51 47 10 (100)
UZF-Cast red, for Erkolen clear, for Erkodur-C brown, for Erkolen	0.10	53 17 01 (100)
	0.10	53 17 11 (100)
	0.15	53 17 15 (100)

For Erkomini , 182 200 (manual coping production)	Ft	Order number (Contents)
Material	mm	Ø 42 mm
Erkolen-A transparent (harder than Erkolen)	0.60	51 14 66 (100) • 51 24 66 (500)
Erkolen-AW transparent (like Erkolen)	0.60	51 14 06 (100) • 51 24 06 (500)
UZF-A clear	0.10	53 14 01 (200) • 53 24 01 (500)
Shrinkage compensation foil for ERKOLEN-A and -AW		

Material	Ft	Order number (Contents)
	mm	Ø 120 mm
Erkocryl rose	2.00	57 22 20 (10)
Coloured Erkocryl on request	2.00	



Ft Ft = Foil thickness (mm)

Tft Tft = Thermoforming temperature (°C),
only for Erkodent units with temperature sensor

Ht Ht = Heating time (min.sec.),
only for Erkodent units with programmable
heating time



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