



Program

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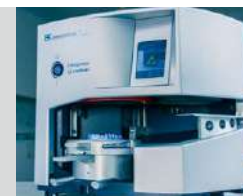
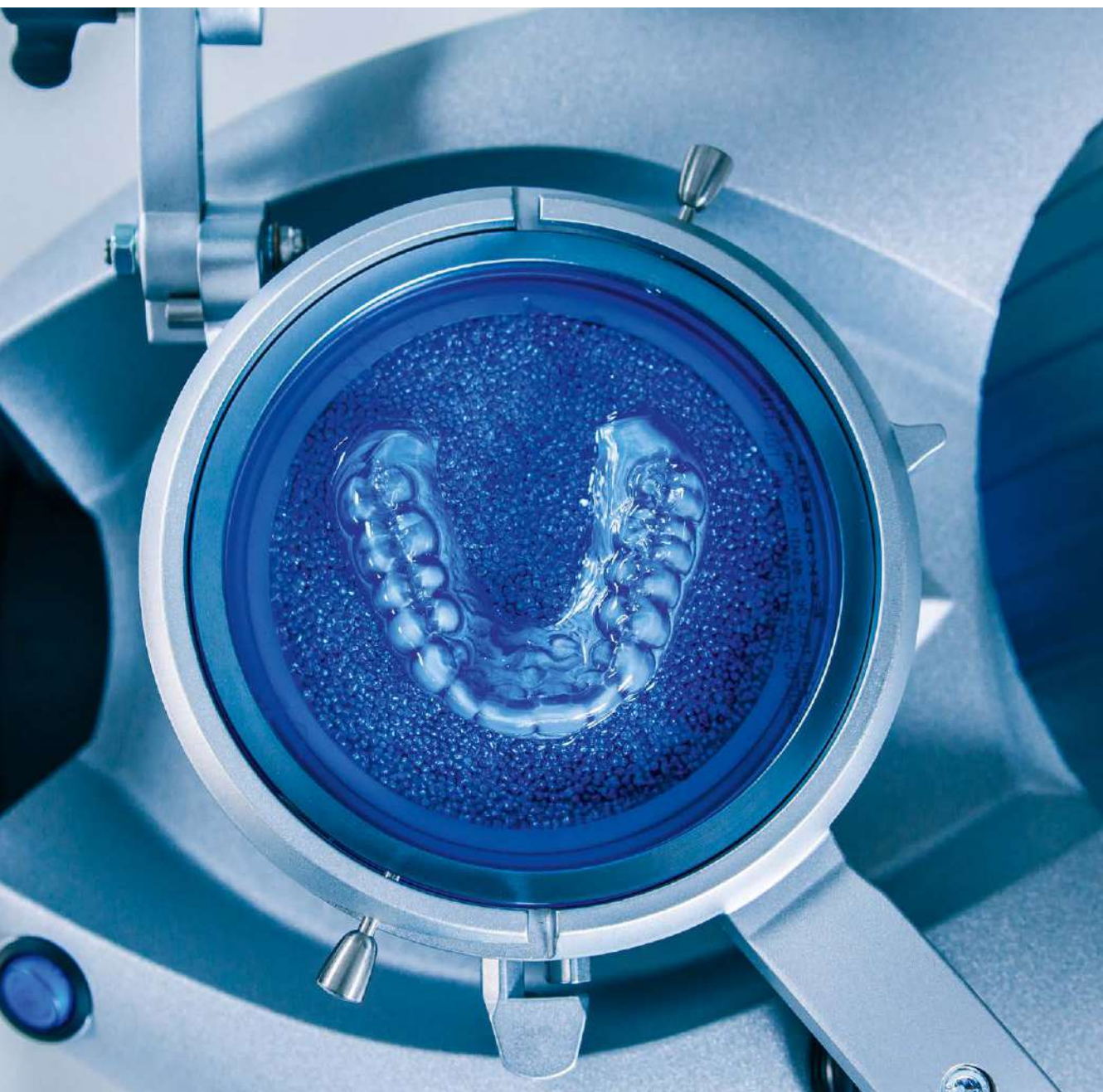
*All 6-digit numbers in this brochure are
order numbers.*

*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.*





Thermoforming units
+ accessories

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Thermoforming materials
+ applications

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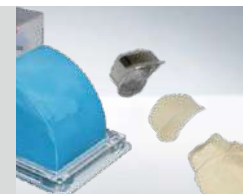
Playsafe triple
sports-mouthguards

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Silensor®-sl
anti-snoring device

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Dental office + laboratory

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Thermoforming material,
characteristics +
recommendations

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Thermoforming units + accessories



Erkoform-3d motion 188 400

Vacuum forming unit with reserve vacuum and **automated thermoforming process**. The automatic 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 and insert foil
- Start heating process, place the model in the unit
- Time for other, everything else will be done by the device
- Thermoforming process and cooling time run automatically.
- No compressed-air supply required - plug and play.
- Touchless **temperature sensor** for accurate determination of the actual temperature (patented) of the thermoforming material regardless of the surroundings (environment).
- No preheating time.
- Sudden vacuum built up before thermoforming process (Pat. 19511064).
- More space for higher models.
- Perpendicular prestretching and adaptation for even foil thicknesses.
- Completely accessible model during the heating process.
- Practical one-hand foil fixation for foil thicknesses of 0 to 5.5 mm.
- Equipped with a medium-wave infrared heating without pre-heating time. The medium-wave heater allows an even, friendly warming of the material also in the deepness. Splints with less tension are the result.

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 13,9 kg
- operating voltage: ~220/240 (100, 110-120) volt, 50-60 hertz
- wattage: 360 watt • max. vacuum 0,8 bar • noise level < 60 dB(A)



Erkoform-3d + 188 600

Vacuum forming unit with reserve vacuum, without automated thermoforming process, otherwise like Erkoform-3d motion.

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
- operating voltage: ~220/240 (100, 110-120) volt, 50-60 hertz
- wattage: 340 watt • max. vacuum 0,8 bar • noise level < 60 dB(A)



Touchpanel:

- The program contains all Erkodent thermoforming materials, leads as short guide with animations through the sequence of work and indicates the required working steps.
- Acoustic and optic signal, therefore also suitable for deaf persons.
- Select type and thickness of foil and start.
- The indicated thermoforming temperature and cooling time can be changed for special applications without influencing the basic program.
- The display informs about each operating status and the remaining time.
- Often used foils, new foils and also changed factory settings can be saved as favorites.
- With the special functions the heating and the vacuum pump can be separately turned on and off.
- Safety switch-off after 10 sec., when the next working steps are not executed.



Metal construction with hydraulic fixation. Ready for self-installation, with detailed installation and working instructions.



Occluform-3 188 580

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

Occluding bow with fixation ring for Erkoform units serie 3, model pot for fixation of the model in the unit form pot, Occ3-aM with model pot support, granules shovel, hexagonal socket wrench size 3, weight 1.2 kg

- The Occluform-3 can only be installed at Erkoform units series 3.
- Imprint the opposing bite during the thermoforming process!
- Plaster free model fixation.
- Hydraulic fixation of the opposing bite.
- 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°.
- Included in delivery: **Occ3-aM**



Occ3-aM 188 589 1 piece with model pot support

Device for mean value alignment of a model in the Occluform-3 model pot to the incisal point and to the occlusal plane. The positioning and articulation then corresponds to that of a mean value articulator.



Occ3-4p 188 595

4p-special model disc, 4p counter bite fixation, construction software (download)

Special device and construction data for fixation of 3d print models in the Occluform-3 device.





Erkopress_motion 173 000

Pressure forming device **with automated thermoforming process** for all applications in the dental thermoforming technique, to connect with the existing compressed air system.

- Program and insert foil
- Start the heating process • Place the model
- Everything else will be done by the device
- The thermoforming process as well as the cooling time will run automatically.
- Touchless temperature sensor to exactly determine the actual temperature (patented) of the thermoforming materials.
- For uniform wall thicknesses the hot foil will be placed vertically onto the model.
- The adaptation is taking place without delay.
- Outstanding workplace safety through automatic switch-off function.
- Pinch protection during the automated thermoforming.
- The medium-wave infrared heating without preheating time, heats up the material not only on the surface but also in depth.
- Easily accessible model during heating period.
- Acoustic and visual signal (suitable for people with impaired hearing).
- Program-controlled function and process.
- Air regulator with gauge and water separator (only Erkopress_motion)

with thermoforming technique "starter kit": Application brochure, samples of thermoforming materials, high-grade steel filling granules, rounded

Technical data:

- H 32 cm/W 35 cm/D 43 cm • weight: 18.9 kg
- operating pressure: variably adjustable, 3 - 6 bar
- operating voltage: ~220 - 240 (100, 110 - 120) volt, 50 - 60 hertz
- wattage: max. 380 watt • noise level: < 70 dB(A)



Info + Video



Erkopress_ci motion 173 500

Pressure forming device **with automated thermoforming process** for all applications in the dental thermoforming technique, with self-sufficient, integrated production of compressed air (pat. 19518211).

with thermoforming technique "starter kit": Application brochure, samples of thermoforming materials, high-grade steel filling granules, rounded

Technical data:

- H 32 cm/W 35 cm/D 43 cm • weight: 21.3 kg
- operating pressure: up to 6 bar • reserve pressure: 7 bar
- operating voltage: ~220 - 240 (100, 110 - 120) volt, 50 - 60 hertz
- wattage: max. 440 watt • noise level: < 70 dB(A)



Touchpanel

- The program contains all Erkodent thermoforming materials and as a quick guide, supported by animations, it leads through the workflow and signalizes the necessary work steps.
- Select the desired foil and thickness and start the process.
- Frequently used foils, new foils and even modified factory settings can be saved as favorites.



Polimerisation pot 173 888

Polimerisation pot for Erkopress_motion and Erkopress_ci motion.



Thermoforming units + accessories

Erkopress 240 179 000

Pressure forming device **with automated thermoforming process** for up to 6 models with base and for up to 9 models without base, to connect with the existing compressed air system.

- Program the machine
- Arrange models
- Forming in process
- The unit works with an overpressure of up to 4.5 bar. It thus meets the desire of many users to thermoform 3D print models with overpressure.
- The Erkopress 240 enables the efficient production of correction splints/aligners or other series or larger numbers of splints.
- The thermoforming process is completely automated, the available plates are stored in the program and can be called up in the display with the respective parameters.
- Only thermoforming plates with a diameter of 240 mm can be processed.

complete, with additional model plate, test foils



Technical data:

- height 40 cm/width 34.5 cm/depth 59 cm • weight: 47 kg
- operating pressure: 4.5 bar, required mains system pressure > 6 bar
- operating voltage: ~220-240 (100, 110-120) volt, 50-60 hertz
- wattage: max. 1100 watt
- noise level: <80 dB(A)
- foil dimensions: ø 240 mm, thickness 0-2.0 mm



Info + Video



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.



on-off magnet

red, 110 890 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.



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 to the foil.



Blocking out wax

50 g

725 080 transparent, oxid free

725 055 lilac, optically strongly opaque-lilac, contains titanoxide

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



Erkogum 110 844 transparent, 400 g

Erkogum 110 847 lilac, 150 g

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



Erkoskin 625 050 50 ml

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

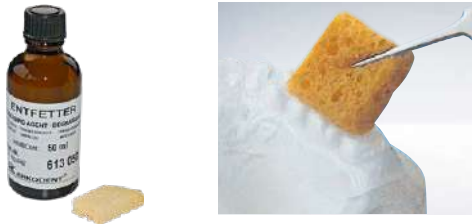
- As spacer when fabricating bleaching trays.
- To relieve tension of the gingival margin in the thermoforming technique.
- As protection of plaster dies against trim water, high-gloss metal parts when sandblasting and high-gloss ceramic parts when etching, etc.



Orientation balls 210 010

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

Thermoforming units + accessories



Degreasing agent 613 050

50 ml

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



Erkoflexsticks-82 177 005

18 pieces, Shore A hardness 82

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

Erkoflexsticks-95 177 006

18 pieces, Shore A hardness 95

Out of original Erkoflex-95 to adjust Erkoflex-95 splints.



Special top for fusing gun 177 010

1 piece

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



Erkopor black $\varnothing 95$ mm

110 901 16 pieces,
thickness 8 mm, for Erkopress units

110 902 40 pieces
thickness 3 mm, for Erkoform units



Erkopor black foam rubber discs are used as spacers. Erkopor black creates a rough inner surface to impression trays.



PLA-handles high 222 500

50 pieces

White tray handles out of PLA plastic, high grip shape. The handles can be reliably affixed by heat to thermoformed impression trays out of Erko plast PLA. In appropriate units this is already possible during the thermoforming process.



PLA-handles flat 222 550

50 pieces

White tray handles out of PLA plastic, flat grip shape.

Splintbox 214 020

20 pieces

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



Erkobox 215 030

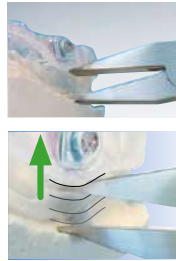
20 pieces

To hygienically keep sports mouthguards, positioners, etc., inner height 40 mm.





take-off without efforts



Take-off pliers 110 880 1 piece

Pliers for easily taking hard thermoformed splints off the model.



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. Used for rough cutting out of hard materials.

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



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. Diameter 1 mm, higher resistance to rupture.

Finishing tools



Tungsten carbide bur, conical 110 837 1 piece

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



Carbide bur, pear-shaped 110 835 1 piece

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



Tungsten carbide bur, coarsely crosscut 110 833

1 piece

Coarsely crosscut tungsten carbide bur, suitable for a fast elaboration of Erkoplast PLA material.



Finishing set Quick 3 110 830

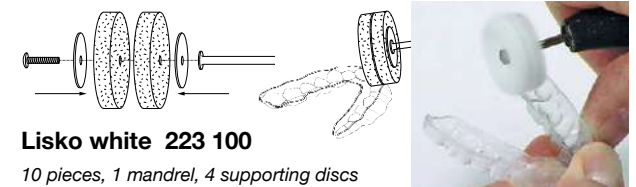
1 fissure bur, left spiral, rightward cutting, 2 HSS-twist drills, 1 crosscut tungsten carbide bur, conical, 1 Liskosil-l, 1 Liskosil-m, 1 Liskosil-s, 3 mandrels

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, carbide bur for smoothing, Liskosil-l for prepolishing, removing larger amounts of material, without leaving an edged surface. Liskosil-m like Liskosil-l and for narrow areas, e.g. in the papilla area of a splint. Liskosil-s, for processing of occlusal interferences and the inner surface of a splint.



Special scissors XL 220 301 1 piece

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



Lisko white 223 100

10 pieces, 1 mandrel, 4 supporting discs

Best suited for smoothing the splint edges of aligners. For this purpose, 2 Lisko white are mounted on a mandrell with the supporting discs. (p. 10)

Thermoforming units + accessories



Liskosil-s 223 220 6 polishing discs, 1 mandrel

Liskosil-m 223 230 6 polishing discs, 1 mandrel

Liskosil-l 223 240 6 polishing discs, 1 mandrel

Liskosil set 223 250

1 Liskosil polishing disc each -s, -m, -l and 3 mandrels

The extraordinary polishing disc with high life time for all thermoforming materials and more. Liskosil-l is particularly suitable for large-area processing. Liskosil-m allows the same result as Liskosil-l in narrow areas, e.g. in the papilla area of a splint. Liskosil-s, the small diameter allows the processing of occlusal interferences and even of the inner surface of a splint.



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-B 223 300 10 pieces, 1 mandrel, 4 supporting discs

Lisko-B prepolishing disc with a considerably higher service life. Lisko-B will always be fixed with two supporting discs at both sides. If the disc is used down to the supporting discs these can be removed and the disc further on be used.



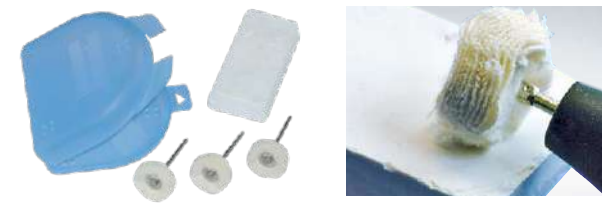
Lisko-S 223 200 10 pieces, 1 mandrel, 4 supporting discs

Lisko-S polishing discs have a half-open stabilized structure. To prepolish and adapt soft and to prepolish hard thermoforming materials.



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 a sand paper.



Polishing set 110 878

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

Set to polish hard thermoforming materials with the technical handpiece.

Polishing discs out of linen 110 879 3 pieces

Special polishing mass 110 881 60 g



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.



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.

Thermoforming materials + applications

All Erkodent thermoforming materials are tested on their **biocompatibility** and are physiologically harmless in their intended use. They are CE marked based on the EU regulation 2017/745 concerning medical products, the directive 93/42/EEC concerning medical products and the EU regulation 2016/425 concerning personal protective equipment (Playsafe triple sports mouthguard).

The complete range of thermoforming materials and their availability is summarized on pages 20-27. Samples and informations on material properties are found in the material card.



Erkocryl, clear

Interim prosthesis, compression, retention and extension plates in the orthodontic field 1.5-2.5 mm, combines to auto-acrylic resin.



Erkodur, clear

Very tough, hard material. Harder moulded copings 0.5+0.6 mm, aligner/correction splints 0.5-1.0 mm, stabilisation splints 0.1 mm, retainers 0.6-1.0 mm, Silensor®-sl anti-snoring device 2.5 mm, bruxism splints, dressing plates, occlusal splints, orientation-, planning- and X-ray templates 1.0-5.0 mm, combines to auto-acrylic resin.



Erkodur freeze

Transparent-turquoise coloured Erkodur, use as Erkodur 1,0- 3,0 mm.



Erkodur-0M1/-A1/-A2/-A3, tooth-coloured

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

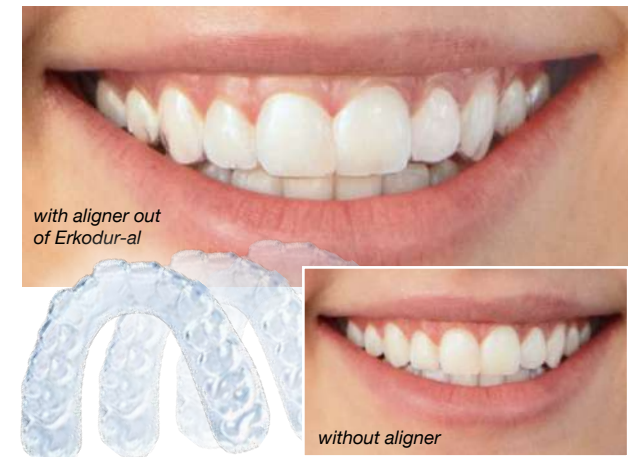


Erkodur-al

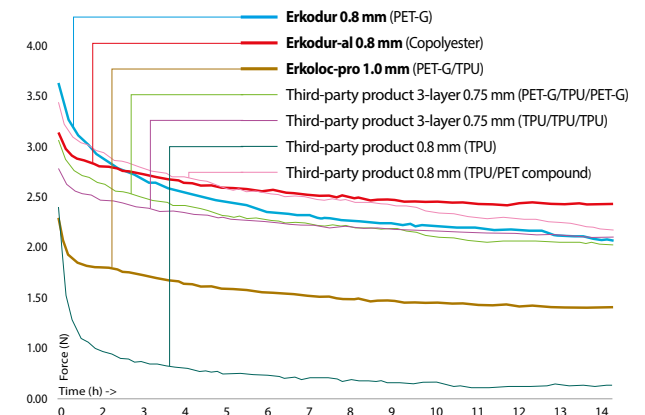
Crystal-clear, viscoelastic-hard and break-resistant material with excellent dimensional stability, 0.6-1.0 mm. Recommendation: Smooth respectively deflash the edges with Lisko white (page 9/10).

Erkodur-al

Erkodur-al is a foil material optimised for the production of aligners. Compared to the proven Erkodur, the material is about 35% softer with a correspondingly lower initial force and feeling of tension during insertion. Due to the very flat memory loss curve, the effective force of Erkodur-al lasts comparatively longer.



Long-term force loss, starting from force development



Thermoforming material + applications



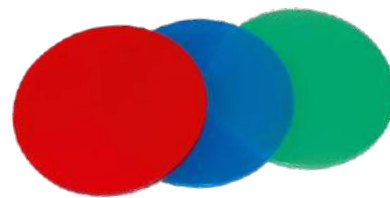
Erkoflex, transparent

Flexible, soft-elastic material.
Protection for models 1.0 mm,
bracket transfer splints 1.5 - 2.0 mm.
Base for sports-mouthguards 2.0 mm,
positioners 3.0 - 5.0 mm. Duplication of
demonstration models 4.0 + 5.0 mm,
radiation protection splints 4.0 + 5.0 mm.



Erkoflex-95, transparent

Shore A 95, elastic, semi-soft adjustable occlusal splints
1.5 - 4.0 mm, radiation protection splints 4.0 mm.



Playsafe triple / -light, transparent + farbig

Prelaminated foil, three-layered (soft/hard/soft)
for Playsafe sports-mouthguards
5.5 mm/4.1 mm.
Erkoflex 2.5/1.5 mm (soft),
triple layer 1.0/0.6 mm (hard),
Erkoflex 2.0/2.0 mm (soft).



Erkoflex-color,

large choice of colours, see page 24

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



All insulating foils applied ex works consist of:



Erkoflex-bleach, transparent

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



Erkolen, transparent

Copings 0.5 - 0.8 mm, spacer 0.6 - 1.0 mm,
temporary appliances 0.8 - 1.0 mm (only
mould), soft-elastic.



Erkolen/Erkoflex-bleach

Fluoride trays out of Erkoflex-bleach
with spacer out of Erkolen.



Erkolign, transparent

Most durable, very tough material. Does not bond to acrylate.
Occlusal splints, protection splints against bruxism, stabiliza-
tion splints, retainers 1.0/2.0 mm.

Thermoforming materials + applications



Erkoloc-pro, transparent

Double-layer plate hard/soft. Soft layer always 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 auto-acrylic resin. Comfortable stabilisation and occlusal splints 1.0-5.0 mm, Silensor®-sl anti-snoring device 3.0 mm, comfortable retention splints with corrective effect, retainers 1.0-2.0 mm. Bleaching trays 1.0 mm.



Erkoloc-pro *blu* Erkoloc-pro *green* Erkoloc-pro *pink*

The blue-, green- and pink-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. Same chemical and physical properties as Erkoloc-pro transparent 2.0-5.0 mm.



Erkoplast PLA-W, white

Functional trays, individual impression trays, upper 3.0 mm and lower 4.0 mm. Erkoplast PLA-W has a very high torsional strength. Bonds with autopolymerizing resin and by heat with PLA-handles.



Erkoplast PLA-T, transparent

Functional trays, individual impression trays, upper 3.0 mm and lower 4.0 mm. Erkoplast PLA-T has a very high torsional strength. Bonds with autopolymerizing resin and by heat with PLA-handles.



Erkoplast PLA-R, rose

Base plates, upper 1.5 mm.



PLA-handles high 222 500/PLA-handles flat 222 550

each 50 pieces

White tray handles out of PLA plastic, high grip shape and flat grip shape. The handles can be reliably affixed by heat to thermoformed impression trays out of Erkoplast PLA. In appropriate units this is already possible during the thermoforming process.



Usig-Foil, tooth-colour, opaque

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



UZF-Cast

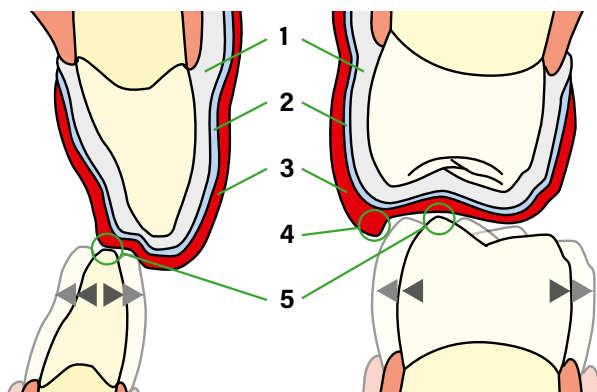
UZF-Cast as shrinkage compensation foil for the fabrication of casting objects. For Erkolen.

Sports-mouthguard - Playsafe triple

Multi-layered individual sports-mouthguards consist of at least two laminated layers with an imprint for the lower jaw. If multi-layered mouthguards are compared with boil & bite types, significant differences can be recognized. Individually fabricated sports 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 become loose. The athlete has to hold the mouthguard onto the teeth, this prevents him from producing outstanding performances.

PLAYSAFE® triple + triple-light

EU Type Examination Certificate **CE**



Playsafe triple / triple-light

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.

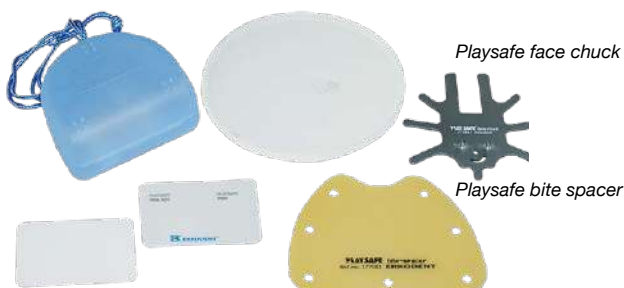
A Playsafe triple can be fabricated in the same time as a single-layered sports mouthguard but provides at least the same protective effect than the laminated top version sports-mouthguard heavy-pro.

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

Playsafe triple, ≈ 5.5 mm, **Playsafe triple-light**, ≈ 4.1 mm
 1 Erkoflex (EVA) 2.5/1.5 mm • 2 triple layer (COC) 1.0/0.6 mm
 3 Erkoflex (EVA) 2.0/2.0 mm • 4 buccal shield • 5 articulation surface

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.



Playsafe triple start set 177 810

Playsafe triple-light start set 177 850

1 Playsafe bite spacer, 1 Playsafe face chuck, 1 Playsafe triple (-light) 'set', transparent

Playsafe triple set 177 820

Playsafe triple-light set 177 860

1 Playsafe triple (-light) foil, single colour (more colours see page 24),
 1 Erkobox, 1 sample FG-sheet, 1 label, 1 instruction

Playsafe bite spacer 177 811 3 pieces

Playsafe face chuck 177 812 1 piece



Multi-layered soft protection splints

Flex 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.

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

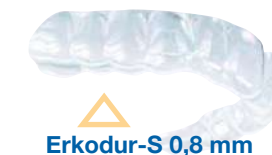
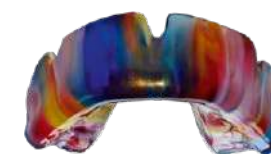
Flex medium, 2-layered (2 + 4 mm) for sports where objects with a large surface area may be received by the jaw, for ex. wrestling.

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

Flex heavy-pro



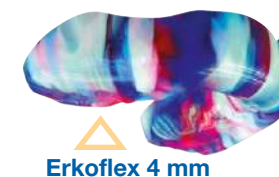
Erkoflex 2 mm



Erkodur-S 0,8 mm

Erkodur-S, clear

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

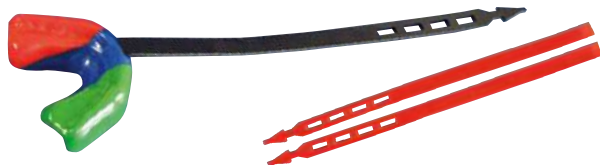


Erkoflex 4 mm





Sports-mouthguard - Oxydens



Helmet straps

To affix the Playsafe triple and other sports-mouthguards to the helmet.

58 40 23 bright red, 10 pieces

58 40 24 deep red, 10 pieces



PLAYSAFE® 4u

Configure your personal sports-mouthguard with an individual label.

Suitable for Playsafe triple and multi-layered sports-mouthguards.

Configure Playsafe 4u



Clean-box

Clean-cup

Oxydens

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

Oxydens Clean-set 280 030

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

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

Info + Video



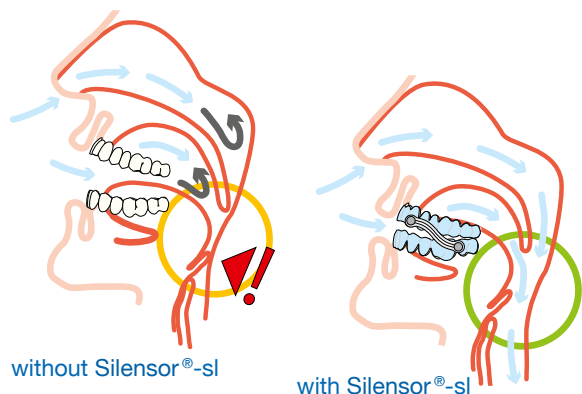
Oxydens cleansing tablets 280 032

32 tablets

Oxydens Clean-box 280 031 5 pieces

Oxydens Clean-cup 280 033 5 pieces

Silensor®-sl anti snoring device



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 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 both comfortable and 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 overstressing of the connectors. If a protrusion of the lower jaw is 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

(Ø 120 mm)

The Silensor®-sl set contains all materials and accessories for the fabrication of two Silensor®-sl devices.



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



Silensor®-sl parts cards

59 60 01 **

1 card with connection parts

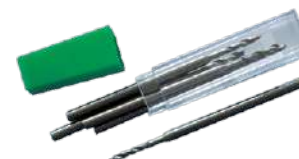
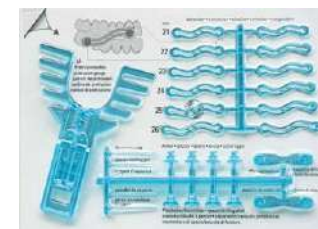
59 60 00 **

10 cards with connection parts

59 60 40 **

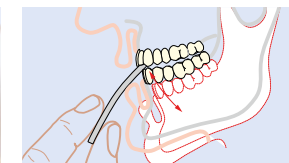
40 cards with connection parts

** without foil and auxiliaries



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.



Bite-help strips 59 60 20 20 pieces

For fast elimination of a possible morning malocclusion.



Silicones

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.

Paste hardener for C-silicones

413 735 35 ml-tube
413 755 5 x 35 ml-tube



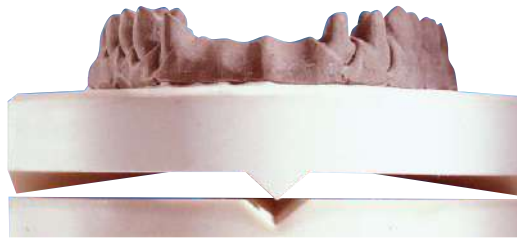
Universal hardener for condensation-cured Erkodent silicones.

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.

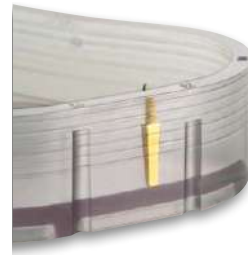


Erkosplit II 250 500 introductory package

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

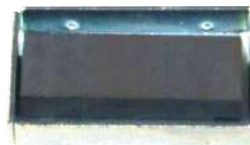
The components are also available separately.

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



Erkosplit-base mould

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



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).



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 conter.
- Protective cover against soiling of the column.
- Out of brass and anodized, extremely stable aluminium.




Sindos 128 700

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

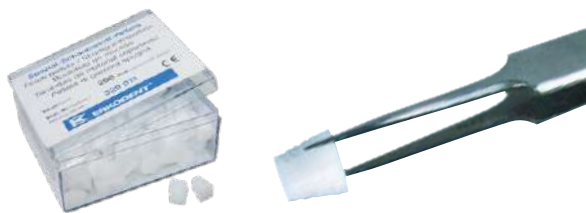
128 706 protective cover for column

Mixing bowls

229 031 200 pieces  PE

229 030 6 holding rings, aluminium

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



Special pellets 320 011

200 pellets

Foam pellets with open structure for cold test spray.



Cotton pellet dispenser 220 530

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

Topsy 263 000

Ceramic brush shaper.
Mouth forming is out!



Topsy replacement brush 263 001
Topsy replacement sponge 263 002



Primary:

- Precious metal
- NPM
- Zircon

Secondary:

**Usig-friction-gene-
rating coping out of
Usig-Foil**

Tertiary:

- Precious metal
- NPM
- Zircon
- Plastic

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 time saving
- **Most simple fabrication with the Erkodent thermoforming technique**

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.



Info + Video



For the fabrication:

- Usig-Foils, 20 pieces, (650 005), Ø 120 mm, thickness 0.5 mm
- 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)

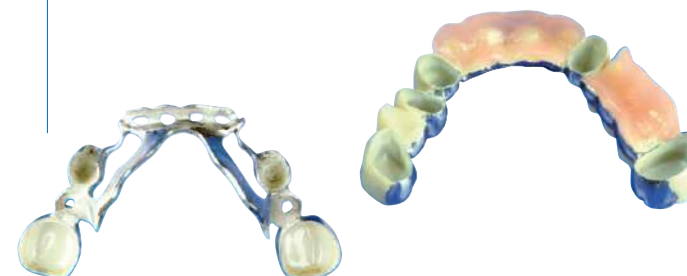


Accessories:



Usig-die disc 650 030

for better fixation of the dies in the granules.





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



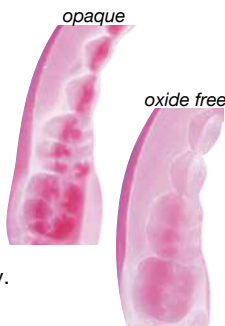
Wax bite rims, angled or straight, with recess at the lower side for better fixing to the ridge. Three hardnesses, four colours, angled for full prosthesis, straight for partial prosthesis.

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.

Wax bite rims with oxide free wax quality.



Thiel line: problem solving, user friendly products, according to DTM Thiel, Amtzell/Germany

Casting sprues, pear shaped by DTM Thiel

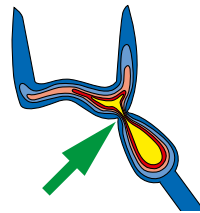
736 201 size 1, Ø 5 mm, 100 pieces

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

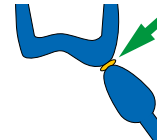


The pear is the ideal form to develop a heat centre. Adequate, consistent cooling-off, longer liquid metal reservoir and certain re-sucking of molten metal until the final solidification. The pear is fixed directly onto the casting object. The narrow pass between casting object and molten metal reservoir, which solidifies too early when using the classical form of casting sprues, no longer exists. 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.

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.



Scan wax

50 g

725 401 green

725 400 blue



Wax casting sprues



















736 010 Ø 6.5 mm, 200 pieces

736 014 Ø 8.0 mm, 200 pieces

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



Thermoforming material

Thermoforming materials		Colour	Material characteristics
Erkocryl	 PMMA	clear	Stable, hard, acrylate based material. Bonds to acrylate.
Erkodur-al	 7 copolyester	clear	Cristal clear viscoelastic-hard and break-resistant material with excellent dimensional stability. Aprox. 35 % softer than Erkodur.
Erkodur / Erkodur <i>freeze</i>	 PETG	clear / turquoise-transparent	Very tough, hard material. Burns without residues. Bonds to acrylate.
Erkodur-0M1/-A1/-A2/-A3	 PETG	tooth colour	Colour shade is equivalent to 0M1/A1/A2/A3, colour density depends on the thickness, otherwise like Erkodur.
Erkodur-S	 SBS	clear	Tough-hard material. Burns without residues. Bonds to acrylate. Bonds with heat to Erkoflex.
Erkoflex	 EVA	transparent or coloured	Flexible, soft-elastic material. Can be bonded by heating or a fusing gun with Erkoflexsticks-82. Hardness Shore A: 82.
Erkoflex-95	 EVA	transparent	Flexible-elastic material. Can be adjusted by heating or a fusing gun with Erkoflex-sticks-95 (not bonded). Hardness Shore A: 95.
Erkoflex-bleach	 EVA	transparent	Flexible material with high elasticity. Hardness Shore A: 95. Does not bond to acrylate.
Erkolen	 PE	transparent	Elastic material, burns without residues, low form memory. Does not bond to acrylate.
Erkolign	 PP	transparent	Extremely resistant, break-stable and tough material. Does not bond to acrylate.
Erkoloc-pro/- <i>blu</i> / <i>green</i> / <i>pink</i>	 PETG TPU	transparent / <i>blu</i> / <i>green</i> / <i>pink</i>	Double-layer plate hard/soft. Resistant material with high wearing comfort. Hard side bonds to acrylate.
Erkoplast PLA-R	 PLA	rose	Impact resistant, very rigid material, bonds by heat and with autopolymerizing resin.
Erkoplast PLA-T	 PLA	transparent	Impact resistant, very rigid material. Accessory: PLA tray handle. PLA material bonds by heat and with autopolymerizing resin.
Erkoplast PLA-W	 PLA	white	Impact resistant, very rigid material. Accessory: PLA tray handle. PLA material bonds by heat and with autopolymerizing resin.
Playsafe triple foil	 EVA COC EVA	transparent or coloured	Triple-layer plate soft/hard/soft.
Usig-Foil	 PETG	tooth colour-opaque	Abrasion-resistant, very tough material. Glueable, bonds to acrylate.
UZF-Cast	 PS	red	Spacer foil (shrinkage compensation) for the casting technique.
	 PE		Insulating foil for insulating and shrinkage compensation

Application terms	Material recommendation
Base plates	Erkoplast PLA-R, 1.5 mm, rose, hard
Bite plates	Erkoplast PLA-R, 1.5 mm, rose, hard
Bleaching trays	Erkoflex-bleach, 1.0 mm, flexible Erkoloc-pro, 1.0 mm, hard/soft
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-0M1/-A1/-A2/-A3, 0.6 - 2.0 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, flexible
Fluoride trays	Erkoflex-bleach, 1.0 mm, flexible Erkoloc-pro, 1.0 mm, hard/soft
Functional trays	Erkoplast PLA-W/-T white and transparent, 3.0 (upper), 4.0 mm (lower), hard
Individual impression trays	Erkoplast PLA-W/-T white and transparent, 3.0 (upper), 4.0 mm (lower), hard
Insulating/spacer foils for the casting technique	UZF-Cast, 0.1 mm
Interim prosthesis	Erkocryl, 2.0 and 2.5 mm, hard
Michigan splints	Erkodur, 1.5 - 5.0 mm, hard Erkoloc-pro, 2.0 - 5.0 mm, hard/soft
Occlusal splints	Erkodur, 1.5 - 5.0 mm, hard Erkodur-0M1/-A1/-A2/-A3, 2.0 mm, hard Erkoflex-95, 2.5 and 4.0 mm, flexible Erkalign, 2.0 mm, tough-hard Erkoloc-pro, 2.0 - 5.0 mm, hard/soft
Playsafe triple sports-mouthguards	Playsafe triple, 5.5 mm, soft/hard/soft Playsafe triple light, 4.1 mm, soft/hard/soft
Radiation protection splints	Erkoflex, 4.0 and 5.0 mm, flexible Erkoflex-95, 4.0 mm, flexible
Silensor®-sl anti-snoring device	Erkodur/-freeze, 2.5 mm, hard Erkoloc-pro/-color, 3.0 mm, hard/soft

Application terms	Material recommendation
Spacer for fluoride gel	Erkolen, 1.0 mm, elastic
Sports-mouthguards (multi-layered protection splints)	Erkodur-S, 0.8 mm (heavy-/light-pro), hard Erkoflex, 2.0 and 4.0 mm, flexible Erkoflex-color, 2.0 and 4.0 mm, flexible
Stabilization splints	Erkodur, 1.0 mm, hard Erkodur-0M1/-A1/-A2/-A3, 1.0 mm, hard Erkalign, 1.0 mm, tough-hard Erkoloc-pro, 1.0 and 1.3 mm, hard/soft
Temporary appliances, combines to resin only with primer for plastics	Erkodur, 0.6 - 1.0 mm, hard Erkodur-0M1/-A1/-A2/-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

Planning- X-ray and orientation templates	Erkodur, 1.0 - 5.0 mm, hard
Protection splints	Erkodur, 1.0 mm, hard Erkoflex-95, 1.5 mm, flexible Erkalign, 1.0 mm, very tough

Orthodontics

Aligner / Correction splints	Erkodur, 0.5 - 1.0 mm, hard Erkodur-al, 0.6 - 1.0 mm, hard Erkoloc-pro, 1.0 and 1.3 mm, hard/soft
Bracket transfer splints	Erkoflex, 1.5 and 2.0 mm, flexible + Erkodur, 1.0 mm, hard
Etching masks for bracket transfer	Erkolen, 0.8 and 1.0 mm, elastic
Orthodontic/extension plates	Erkocryl, 2.0 and 2.5 mm, hard
Positioners	Erkoflex, 3.0 - 5.0 mm, flexible
Retainers	Erkodur, 0.6 - 1.0 mm, hard Erkodur-al, 0.6 - 1.0 mm, hard Erkoloc-pro, 1.0 - 2.0 mm, hard/soft
Retention plates	Erkocryl, 2.0 and 2.5 mm, hard



Info + Video

Thermoforming material

Selection of the right material thickness

To select the right material thickness note 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 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 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 Erkodent thermoforming materials are tested on their biocompatibility and are physiologically harmless in their intended use. They are CE marked based on the EU regulation 2017/745 concerning medical products, the directive 93/42/EEC concerning medical products and the EU regulation 2016/425 concerning personal protective equipment (Playsafe triple sports mouthguard). Up to now (2024) there is no knowledge of confirmed allergic reactions on the materials, 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:

- Wash well with water.
- Best is to thoroughly clean the inner and exterior side of the splint with a tooth brush and soap.
- Again, wash well 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 soap suds remove 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 careful maintenance, but it cannot be reversed. Mouth-washes and amalgam fillings can also cause discolouring.

Disinfection

With the exception of Erkoloc-pro types all thermoforming materials can be disinfected with disinfection alcohol and other commercial liquids. Erkoloc-pro types 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 layer 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 For materials that are not delivered or stored in closed aluminium bags:

Erkocryl:	Erkodur:	Erkoloc-pro:
1.5 mm, 3 hrs, 90 °C	0.5-2.0 mm, 5 hrs, 60 °C	1.0-5.0 mm, 48 hrs, 60 °C
2.0 mm, 5 hrs, 90 °C	2.5-5.0 mm, 8 hrs, 60 °C	
2.5 mm, 7 hrs, 90 °C		

* only for Erkodent units with programmable heating time

Material					Order number (Contents)	Order number (Contents)	Order number (Contents)	Order number (Contents)
	mm	°C	min	min	Ø 120 mm	125 x 125 mm	Ø 125 mm	Ø 240 mm (Erkopress 240)
Erkocryl clear	1.50	195	2:00	1:55	57 12 15 (10) • 57 42 15 (50)			
	2.00	195	2:30	2:20	57 12 20 (10) • 57 42 20 (50)			
	2.50	195	3:00	2:55	57 12 25 (10) • 57 42 25 (50)			
Erkodur-al clear, with insulating foil	0.60	195	0:45	0:50	52 41 06 (20) • 52 46 06 (100)		52 20 06 (20) • 52 30 06 (100)	* 52 11 06 (20)  180°C  0:45
Erkodur-al 240 clear, with insulating foil *	0.80	195	1:00	0:55	52 41 08 (20) • 52 46 08 (100)		52 20 08 (20) • 52 30 08 (100)	* 52 11 08 (20)  180°C  1:00
	1.00	195	1:30	1:00	52 41 10 (20) • 52 46 10 (100)		52 20 10 (20) • 52 30 10 (100)	* 52 11 10 (20)  180°C  1:30
Erkodur clear, with insulating foil	0.50	160	0:30	0:35	52 12 05 (20) • 52 42 05 (100)		52 15 05 (20) • 52 45 05 (100)	* 52 95 05 (20)  150°C  0:30
Erkodur 240 clear, with insulating foil *	0.60	160	0:30	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)	* 52 95 06 (20)  150°C  0:45
	0.80	160	0:45	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)	* 52 95 08 (20)  150°C  1:00
	1.00	160	0:45	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)	* 52 95 10 (20)  150°C  1:30
	1.50	160	1:00	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	1:30	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)	
	2.50	155	2:00	1:55	52 12 25 (10) • 52 42 25 (50)	52 14 25 (10) • 52 44 25 (50)	52 15 25 (10) • 52 45 25 (50)	
	3.00	155	2:00	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	3:00	2:40	52 12 40 (10) • 52 42 40 (50)		52 15 40 (10) • 52 45 40 (50)	
	5.00	155	4:00	3:40	52 12 50 (10) • 52 42 50 (50)			
Erkodur freeze turquoise-transparent, with insulating foil	1.00	160	0:45	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	1:00	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	1:30	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)	
	2.50	155	2:00	1:55	52 91 25 (10) • 52 94 25 (50)	52 86 25 (10) • 52 88 25 (50)	52 75 25 (10) • 52 76 25 (50)	
	3.00	155	2:00	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-0M1 tooth colour, with insulating foil	0.60	170	0:30	0:40	52 61 06 (20) • 52 43 06 (100)	52 28 06 (20) • 52 58 06 (100)	52 26 06 (20) • 52 48 06 (100)	
	1.00	165	0:45	0:50	52 61 10 (20) • 52 43 10 (100)	52 28 10 (20) • 52 58 10 (100)	52 26 10 (20) • 52 48 10 (100)	
	1.50	160	1:00	1:05	52 61 15 (10) • 52 43 15 (50)	52 28 15 (10) • 52 58 15 (50)	52 26 15 (10) • 52 48 15 (50)	
	2.00	155	1:30	1:25	52 61 20 (10) • 52 43 20 (50)	52 28 20 (10) • 52 58 20 (50)	52 26 20 (10) • 52 48 20 (50)	
Erkodur-A1 tooth colour, with insulating foil	0.60	170	0:30	0:40	52 22 06 (20) • 52 66 06 (100)	52 24 06 (20) • 52 79 06 (100)	52 19 06 (20) • 52 60 06 (100)	
	1.00	165	0:45	0:50	52 22 10 (20) • 52 66 10 (100)	52 24 10 (20) • 52 79 10 (100)	52 19 10 (20) • 52 60 10 (100)	
	1.50	160	1:00	1:05	52 22 15 (10) • 52 66 15 (50)	52 24 15 (10) • 52 79 15 (50)	52 19 15 (10) • 52 60 15 (50)	
	2.00	155	1:30	1:25	52 22 20 (10) • 52 66 20 (50)	52 24 20 (10) • 52 79 20 (50)	52 19 20 (10) • 52 60 20 (50)	
Erkodur-A2 tooth colour, with insulating foil	0.60	170	0:30	0:40	52 23 06 (20) • 52 90 06 (100)	52 68 06 (20) • 52 02 06 (100)	52 64 06 (20) • 52 98 06 (100)	
	1.00	165	0:45	0:50	52 23 10 (20) • 52 90 10 (100)	52 68 10 (20) • 52 02 10 (100)	52 64 10 (20) • 52 98 10 (100)	
	1.50	160	1:00	1:05	52 23 15 (10) • 52 90 15 (50)	52 68 15 (10) • 52 02 15 (50)	52 64 15 (10) • 52 98 15 (50)	
	2.00	155	1:30	1:25	52 23 20 (10) • 52 90 20 (50)	52 68 20 (10) • 52 02 20 (50)	52 64 20 (10) • 52 98 20 (50)	



Foil thickness (mm)



Thermoforming temperature (°C)















Cooling time (min. sec.)



Heating time (min. sec.)

* only for Erkodent units with programmable heating time





* only for Erkodent units with programmable heating time


Material					Order number (Contents)	Order number (Contents)	Order number (Contents)	Order number (Contents)
	mm	°C	min	min	Ø 120 mm	125 x 125 mm	Ø 125 mm	Ø 240 mm (Erkopress 240)
Erkodur-A3 tooth colour, with insulating foil	0.60	170	0:30	0:40	52 62 06 (20) • 52 03 06 (100)	52 69 06 (20) • 52 07 06 (100)	52 65 06 (20) • 52 05 06 (100)	
	1.00	165	0:45	0:50	52 62 10 (20) • 52 03 10 (100)	52 69 10 (20) • 52 07 10 (100)	52 65 10 (20) • 52 05 10 (100)	
	1.50	160	1:00	1:05	52 62 15 (10) • 52 03 15 (50)	52 69 15 (10) • 52 07 15 (50)	52 65 15 (10) • 52 05 15 (50)	
	2.00	155	1:30	1:25	52 62 20 (10) • 52 03 20 (50)	52 69 20 (10) • 52 07 20 (50)	52 65 20 (10) • 52 05 20 (50)	
Erkodur-S clear	0.80	160	0:45	0:40	52 13 08 (20)	52 18 08 (20)	52 29 08 (20)	
Erkoflex transparent, with insulating foil	1.00	130	1:30	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	2:00	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	3:00	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	5:00	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	7:00	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	8:00	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-bleach/240* transp., with insulating foil	1.00	175	1:30	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)	* 58 95 10 (20)  165°C  2:00
Erkoflex-95 transparent, with insulating foil	1.50	155	1:50	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	2:20	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	3:30	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)	
Erkolen transparent, with insulating foil	0.50	175	0:30	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	0:30	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	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	0:50	0:55	51 12 08 (20) • 51 42 08 (100)	51 13 08 (20) • 51 43 08 (100)		
	1.00	165	1:30	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	2:00	1:35	51 12 15 (10) • 51 42 15 (50)	51 13 15 (10) • 51 43 15 (50)	51 15 15 (10) • 51 45 15 (50)	
	2.00	150	3:00	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	4:00	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	180	1:30	1:25	54 12 10 (20) • 54 42 10 (100)		54 15 10 (20) • 54 45 10 (100)	
	2.00	190	3:30	2:20	54 12 20 (10) • 54 42 20 (50)		54 15 20 (10) • 54 45 20 (50)	
Erkoloc-pro transparent, with insulating foil	1.00	160	2:00	1:00	59 51 10 (20) • 59 54 10 (100)	59 52 10 (20)	59 55 10 (20)	* 59 95 10 (20)  145°C  2:00
Erkoloc-pro 240 transparent, with insulating foil *	1.30	160	2:00	1:10	59 51 13 (20) • 59 54 13 (100)	59 52 13 (20)	59 55 13 (20)	* 59 95 13 (20)  145°C  2:00
	2.00	170	2:00	1:55	59 51 20 (10) • 59 54 20 (50)	59 52 20 (10)	59 55 20 (10)	* 59 95 20 (10)  150°C  2:20
	3.00	165	3:00	2:40	59 51 30 (10) • 59 54 30 (50)	59 52 30 (10)	59 55 30 (10)	
	4.00	160	4:00	3:25	59 51 40 (10) • 59 54 40 (50)		59 55 40 (10)	
	5.00	160	5:00	4:30	59 51 50 (10) • 59 54 50 (50)		59 55 50 (10)	
Erkoloc-pro blu blue-transparent, with insulating foil	2.00	170	2:00	1:55	59 56 20 (10) • 59 58 20 (50)	59 76 20 (10)	59 66 20 (10)	
	3.00	165	3:00	2:40	59 56 30 (10) • 59 58 30 (50)	59 76 30 (10)	59 66 30 (10)	
	4.00	160	4:00	3:25	59 56 40 (10) • 59 58 40 (50)		59 66 40 (10)	
	5.00	160	5:00	4:30	59 56 50 (10) • 59 58 50 (50)		59 66 50 (10)	

 **Foil thickness (mm)**
 **Thermoforming temperature (°C)**
 **Cooling time (min. sec.)**
 **Heating time (min. sec.)**

* only for Erkodent units with programmable heating time

* only for Erkodent units with programmable heating time

Material					Order number (Contents)	Order number (Contents)	Order number (Contents)	Order number (Contents)
	mm	°C	min	min	Ø 120 mm	125 x 125 mm	Ø 125 mm	Ø 240 mm (Erkopress 240)
Erkoloc-pro^{green} green-transparent, with insulating foil	2.00	170	2:00	1:55	59 72 20 (10) • 59 74 20 (50)	59 65 20 (10)	59 82 20 (10)	
	3.00	165	3:00	2:40	59 72 30 (10) • 59 74 30 (50)	59 65 30 (10)	59 82 30 (10)	
	4.00	160	4:00	3:25	59 72 40 (10) • 59 74 40 (50)		59 82 40 (10)	
	5.00	160	5:00	4:30	59 72 50 (10) • 59 74 50 (50)		59 82 50 (10)	
Erkoloc-pro^{pink} pink-transparent, with insulating foil	2.00	170	2:00	1:55	59 59 20 (10) • 59 69 20 (50)	59 70 20 (10)	59 75 20 (10)	
	3.00	165	3:00	2:40	59 59 30 (10) • 59 69 30 (50)	59 70 30 (10)	59 75 30 (10)	
	4.00	160	4:00	3:25	59 59 40 (10) • 59 69 40 (50)		59 75 40 (10)	
	5.00	160	5:00	4:30	59 59 50 (10) • 59 69 50 (50)		59 75 50 (10)	
Erkoplast PLA-R , rose	1.50	130	1:30	1:00	56 46 15 (10) • 56 47 15 (50)	56 66 15 (10) • 56 67 15 (50)	56 56 15 (10) • 56 57 15 (50)	
Erkoplast PLA-T , transparent	3.00	130	2:30	2:00	56 82 30 (10) • 56 84 30 (50)	56 22 30 (10) • 56 24 30 (50)	56 92 30 (10) • 56 94 30 (50)	
	4.00	125	4:00	2:35	56 82 40 (10) • 56 84 40 (50)	56 22 40 (10) • 56 24 40 (50)	56 92 40 (10) • 56 94 40 (50)	
Erkoplast PLA-W , white	3.00	130	2:30	1:50	56 52 30 (10) • 56 54 30 (50)	56 62 30 (10) • 56 64 30 (50)	56 72 30 (10) • 56 74 30 (50)	
	4.00	125	4:00	2:30	56 52 40 (10) • 56 54 40 (50)	56 62 40 (10) • 56 64 40 (50)	56 72 40 (10) • 56 74 40 (50)	
Usig-Foil tooth colour-opaque, with insulating foil	0.50	160	0:30	0:30	65 00 05 (20)			
UZF-Cast spacer foil for the casting technique, red	0.10	190	0:30	0:30	53 11 01 (100)		53 25 01 (100)	

Material		Order number (Contents)
For Erkomini , 182 200 (manual coping production)	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, shrinkage compensation foil for Erkolen-A and -AW	0.10	53 14 01 (200) • 53 24 01 (500)

 **Foil thickness (mm)**
 **Thermoforming temperature (°C)**
 **Cooling time (min. sec.)**
 **Heating time (min. sec.)**

* only for Erkodent units with programmable heating time



Thermoforming material

Program |

25

Thermoforming material

Erkoflex-color

Thickness 2 mm, order number (contents)

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)
night 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)
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Thickness 4 mm, order number (contents)

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)
night 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)
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Freestyle Colours

Thickness 2 mm, order number (contents)

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)
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Freestyle Colours

Thickness 4 mm, order number (contents)

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)
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* Order numbers for Erkoflex transparent, see Erkoflex page 26

** Freestyle Set und Freestyle-blackline Set (assorted, 5 pcs)

PLAY SAFE® triple

Thickness **5.5 mm**, Erkoflex 2.5 mm (soft), triple layer 1.0 mm (hard), Erkoflex 2.0 mm (soft)
(heating time: 3.45 min, thermoforming temperature: 110 °C, cooling time: 9.59 min)

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

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

177 820 single-coloured (1 - 15)	177 823 four-coloured (1 - 15)	177 825 single-coloured (1 - 15)	177 828 four-coloured (1 - 15)
177 821 two-coloured (1 - 15)	177 824 freestyle (16 - 23)	177 826 two-coloured (1 - 15)	177 829 freestyle (16 - 23)
177 822 three-coloured (1 - 15)	177 819 freestyle strip (24 + 25)	177 827 three-coloured (1 - 15)	177 830 freestyle strip (24 + 25)

PLAY SAFE® triple-light

Thickness **4.1 mm**, Erkoflex 1.5 mm (soft), triple layer 0,6 mm (hard), Erkoflex 2,0 mm (soft)
(heating time: 2.50 min., thermoforming temperature: 120 °C, cooling time: 9.59 min.)

Playsafe triple light start set, Ø 120 mm, 177 850: 1 Playsafe triple light set with transparent foil, 1 Playsafe bite spacer, 1 Playsafe face chuck

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

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

177 860 single-coloured (1 - 15)	177 863 four-coloured (1 - 15)	177 865 single-coloured (1 - 15)	177 868 four-coloured (1 - 15)
177 861 two-coloured (1 - 15)	177 864 freestyle (16 - 23)	177 866 two-coloured (1 - 15)	177 869 freestyle (16 - 23)
177 862 three-coloured (1 - 15)	177 859 freestyle strip (24 + 25)	177 867 three-coloured (1 - 15)	177 870 freestyle strip (24 + 25)





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EN ISO 13485 / ISO 9001

