2008:

Vacuum thermoforming unit with touchless temperature control, reserve vacuum and touch panel.

Erkoform-3d

Vacuum thermoforming unit with touchless temperature control, reserve vacuum and reduced electronics.

Erkoform-3

Erkodur in A1 and A3

Erkodur-A1/-A3

with cartridge acrylics

PV-Primer

A spacer/insulating foil, that can be applied on each Erkodent foil.

UZF-Plus
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**Please note:**

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

You will find further package sizes in our pricelist.

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.

**Printing:** May 2008
Erkoform-3d
188 500
with thermoforming technique
“starter kit”
Application brochure
Samples of thermoforming materials
Filling granules
Auxiliaries
etc.

Vacuum thermoforming unit with reserve vacuum and touch panel
- 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).
- 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 5 mm.

Erkoform-3d
188 500

Technical data:
H 31.5 cm/W 35 cm/D 37 cm
Weight 11.9 kg
~230 (or 110) Volts/340 Watt
Vacuum 0.8 bar (max.)
Noise level < 70 dB(A)

3d Touchpanel
- The program contains all Erkodent thermoforming materials, has a display conducted operating and signalizes necessary working steps.
- Choose 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.
- 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 technique
“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) Volts/340 Watt
Max. vacuum 0.6 bar
Noise level < 70 dB(A)

Vacuum thermoforming 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.

Occludator integrated in a thermoforming unit for imprinting the opposing bite (pat. 19915567).
- The Occludator-3 can only be installed at Erkoform-3d/3 units.
- The opposing bite is imprinted directly in the Erkoform-3d/3 during the thermoforming process!

Occluform-3
188 580
Ready for self-installation.
With detailed installation and working instructions.
Metal construction with hydraulic fixation.

Vacuum thermoforming unit with reserve vacuum and touch panel
- 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).
- 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 5 mm.
**Occluform-3**  
188 580  
Occludating bow with fixation ring for Erkoform-3 units
Model pot for fixation of the model in the Erkoform-3 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°.

**Occludator integrated in a thermoforming unit for imprinting the opposing bite (pat. 19915567).**
- The Occludator can only be installed at Erkoform-RVE units.
- The opposing bite is imprinted directly in the Erkoform-RVE during the thermoforming process!

**Coping-Set**  
188 028  
1 die disc for 7 dies, 1 contact grease, 3 Erkolon 0.6 mm foils, 3 UZ red foils, 3 Erkopor discs
For the fabrication of copings with the Erkoform-RVE/3d/3 units. Thermoforming foil and shrinkage compensation foil stick to each other without air bubbles by using contact grease.

**Erkopress ES-200 E**  
170 000  
with thermoforming technique  
"starter kit"
Application brochure
Samples of thermoforming materials
Filling granules
Auxiliaries etc.
- Forming without delay.
- Vertical forming for even foil thicknesses.
- Great operating safety due to automatic switch off.

**Universal first class unit for the entire dental thermoforming technique. Based on the indestructible Erkopress technique, the ES-200 E unit uses the electronic well-known from the Erkoform-RVE and thus offers highest reliability in service and greatest operating comfort.**
- Program controlled function and running.
- Two-section flask, completely accessible model during the heating process (DBGM).
- Maintenance unit for water removal and pressure reduction to working pressure of 4.5 bar.

**Polymerisation pot**  
110 888  
To polymerize autoacrylics, for Erkopress types ES-200 E, ES-2004 and ES-2002.
Small thermofoming appliance for manual production of copings. Plastication over a Bunsen burner.

Prepunched in 4 sizes, (2 upper, 2 lower), to cover the filling granules. Recommended when soft materials are thermofomed (Erkoflex, Erkoloc). The filling granules do not stick in the foil.

Colourless special wax with very high melting point for the thermofoming technique to block out plaster bubbles.

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

Contains all rotating instruments that are useful for the finishing of all thermofoming 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-S polishing discs have a half-open stabilized structure.
- To prepolish and adapt soft and to prepolish hard thermofoming materials.
- Lisko-S polishing discs with open structure for cooling, unique for working soft materials.
- 3 grains: brown - coarse grey - medium white - fine

Lisko is a stable pressed disc (DBGM), ideal to prepolish narrow spaces of thermofomed splints. For very narrow zones the disc can be sharpened with the added sandpaper.

Special scissors to cut out soft thermofoming materials of each thickness and hard foils up to a thickness of max. 1.0 mm.
**PV-Primer**

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

**Tungsten carbide bur, pear-shaped**

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

**Polishing set**

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.

**Polishing discs out of linen**

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

**Hot air burner**

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.

**Linen polishing discs**

For polishing hard thermoforming materials with the special polishing mass.

**Erkoflex-sticks 82**

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

**Erkoflex-sticks 95**

Erkoflex-sticks 95, out of original Erkoflex-95 to adjust Erkoflex-95 splints.

**Fusing gun**

Fusing gun with high heating efficiency for the use of Erkoflex-sticks.

**Resilit-S**

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

**Erkosit**

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

**PV-Primer**

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.

**Tray handles**

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

**LG-handles**

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

**Tray handles**

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

**LG-Primer**

Transparent tray handles out of plastic to fix on thermoformed trays. The LG-Primer and heat ensure a safe bonding.

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**Erkopor Ø 95 mm**

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To hygienically keep sports mouthguards, positioners, etc., inner height 45 mm.
For bruxism splints, bleaching trays, retainers, etc., inner height 25 mm.

Quick-acting glue
270 501
3 g
Viscous, sticks almost everything onto almost each thermoforming foil or onto models, for ex. for fixation of the spacers when fabricating a Silensor.

Jawels fabrication set, 176 010
Contents:
Erkodur, Ø 120 mm, 0.6 mm, 20 pcs.
Erkodent adhesive gel, 3 g
Erkodent UV-glue, 2 ml
3 stars, transparent each 1 star, blue and orange, ruby and spinel blue
3 stones round, transparent each 1 stone round, ruby and spinel blue
20 Jawels flyers, instructions
12 boxes for the Jawels splint

Jawels, an idea of Dr. Edwards, Lausanne.
Wearing dental jewels whenever and wherever you want, also flashy with various stones in different colours. Respectably or freakily, just as it’s suitable.
The stone(s) will be fixed on a thin, transparent thermoformed splint and put on the teeth as the mood takes you. Precious as synthetic stones almost as hard as diamonds. Freaky as hardened glass stones.

introduction set
to fabricate one Jawels splint with 1 synthetic stone or 10 hardened glass stones in your desired colour, see pricelist.
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.

Comparing dentist fabricated, custom sports mouthguards to Boil & Bite type mouthguards reveals significant differences. 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.

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

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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). The complete range of thermoforming materials and their availability are summarized on pages 16 + 17. Samples to touch and informations on material properties are found in the material card.

Application: Material:
base plates, bite plates Erkoplast-R/-O (1.5/2.5 mm)
bleaching trays Erkoflex-bleach (1.0 mm)
copings Erkolen (0.5/0.6/0.7/0.8 mm) • Erkodur (0.5/0.6 mm)

cosmetic splints Erkoden-A1/A3 (1.0/2.0 mm, A3 1.0 mm)
denture bases, interim prosthesis Erkocryl (pink, 2.0/2.5 mm)
dressing plates, compression plates Erkodur (1.0/1.5/2.0 mm) • Erkocryl (1.5/2.0 mm)
duplication moulds Erkoflex (3.0/4.0/5.0 mm)
fluoride trays Erkoflex-bleach (1.0 mm) • Erkoflex-95 (1.5 mm) • Erkoflex (1.5/2.0 mm)
gingival dressings Erkolen (1.0/1.5 mm)
implant splints, drilling templates Erkodur (1.5/2.0 mm)
individual impression trays Erkoret, clear (2.5/3.5 mm) • Erkoplast-O (3.0/4.0 mm)
insulation (as separating layer) UZF-Plus (0.1 mm)
medication trays Erkoflex-bleach (1.0 mm) • Erkoflex-95 (1.5 mm) • Erkoflex (1.5/2.0 mm)
Medication trays Erkoplast-R, pink
Medication trays Erkoplast-O, white
Molding trays Erkoden-A1/A3 (1.0/2.0 mm)
Molding trays Erkoden (1.0/1.5 mm)
Molding trays Erkoden (1.0/1.5 mm)
Molding trays Erkoloc-pro (2.0/5.0 mm)
occlusal splints, bruxism splints Erkodur, hard (1.5-5.0 mm) • Erkoloc-pro, soft/hard (2.0-5.0 mm)
occlusal splints, bruxism splints Erkodur (1.5/5.0 mm) • Erkoloc-pro (2.0-5.0 mm)

Description of the most important thermoforming material types:

Erkoplast-R, pink
Base plates, upper 1.5 mm and lower 2.5 mm
individual impression trays, upper 3 mm + lower 4 mm
individual impression trays, upper 2.5 + lower 3.5 mm (clear)
Erkoplast-O and Erkorit have a very high torsional strength.

Erkoplast-O, white
Copings 0.5-0.8 mm, spacers 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.

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

Erkolign, tough/hard (2.0 mm)
Shore A 95, semi-soft adjustable occlusal splints 1.5 - 4.0 mm,
single-layered sports-mouthguard 4.0 mm, elastic with good memory.

Erkodur, hard (1.0/1.5 mm)
Protection for models 1.0 mm,
bracket transfer splints 1.5 - 2.0 mm,
base for Playsafe sports-mouthguard 2.0 mm,
positioner 3.0 - 5.0 mm,
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 splint 4.0 + 5.0 mm.

Erkoloc-pro, hard/soft (2.0 mm)
Coloured positioner 4.0 mm, coloured cover layer for Playsafe sports-mouthguard 2.0 + 4.0 mm, elastic viscous material.
Erkoflex-Sv, beige

Erkoflex-Sv is suited for the fabrication of X-ray opaque splints. For ex. to determine the vertical dimension for the planning of implants.

Erkodur-S, clear

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

Erkodur-C, clear

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

Erkodur, clear

Harder moulded copings 0.5 + 0.6 mm, stabilization splints 0.8 - 1.5 mm, bruxism splints, dressing plates, occlusal splints, drilling templates, orientation and measuring splints 1.0 - 5.0 mm, combines to Resilit-S (auto-acrylic resin, liquid/powder).

Orientation balls Erkodur-A1/A3

Temporary appliances 0.6 mm, stabilization splints 1.0 mm, occlusal splints 1.0 mm + 2.0 mm.

Also as cosmetical splints 1.0 mm + 2.0 mm to put on cosmetically unfavourable teeth.

Erkolign

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

Erkoloc

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

Erkoloc-pro

Comfortable stabilization and occlusal splints 2.0 - 5.0 mm, soft side always 1.0 mm thick, hard side combines to Resilit-S (auto-acrylic resin, liquid/powder). Silensor anti-snoring device 3.0 mm, comfortable retention splints with corrective effect 2.0 - 5.0 mm. Considerably more resistant than Erkoloc.

Erkocryl

Interim prosthesis, compression, retention and expansion plates in the orthodontic field 1.5 - 2.5 mm, combines to Resilit-S (individual impression trays).

For further colours please see page 17.

UZF-Plus

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 as shrinkage compensation spacer foil for the fabrication of casting objects. Red and brown for Erkolen, clear for Erkodur-C.
Optically calculated mirror for intraoral preparation control. The optics ensure a direct, parallax-free control of one or several preparations. Any problems that might arise during insertion of dental prosthetics will reliably be avoided. Can be sterilized in the autoclave, by hot air or in liquids.

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

Specially designed Aqueron for bite checks. The bite record is precise, well judgeable and unbreakable. Biologically decomposable.

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).

Root elevator by Kopp
The point which is screw shaped and asymmetrically formed penetrates easily into the gap between the tooth and the alveolus socket.
Availability, each 1 piece

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

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

Foam pellets with open structure for cold test spray.

Cold test spray does not contain chlorofluorocarbons, harmless to ozone. Reaches up to -40°C at room temperature!
**Kneton**
413 201 900 ml
413 205 2800 ml

**Sitran-F**
413 020 150 ml-tube high flowing (light body).

**Sitran-F/N**
410 200 each 400 ml A+B
410 201 each 900 ml A+B

**Sitran-N, 413 010**
150 ml-tube low flowing (heavy body).

**Aton**
410 020 introductory pack
2 cartridges (2 x 50 ml)
1 mixing gun
12 mixing cannulas
410 025 2 cartridges
12 mixing cannulas

**Atran-F**
413 735 35 ml-tube
413 755 5 x 35 ml-tube

**Hardener**
Universal hardener for condensation-cured ERKODENT silicones

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

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, kneadable.

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

**Sitran-N**
150 ml-tube low flowing (heavy body).

**Sitran-F** can be mixed individually. If they are mixed to equal parts, there will be a medium flowing consistency (medium body).
Otherwise like Sitran-F and -N.

**Atran-F**
Stable first-stage impression material (putty), well kneadable, with excellent dimensional properties.

Precision moulding material based on venylpolysiloxane, addition-cured, type 0, very high consistency.

**Aton/Atran-F** is a precise addition-cured impression system. These products are medical products class 1 and are marked according to EEC guidelines.

**Aton/Atran-F** correspond to the norm EN 24823.
Addition- or condensation-cured stable lab moulding materials 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 Lab 80**
- Condensation-cured, stable laboratory moulding material (putty)
- **Shore A 80**, high final hardness, well mixable, best dimensional properties, boilable.

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

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

**Secosil 411 100**
- Duplicating silicone of special dimensional accuracy, tear-proof, pin-sharp detailed, high flowing.

- 5 minutes pourable, 20 - 25 Shore A hardness

**Sindos 128 700**
- The upper baseplate is positioned by a conical guide.

**Rebasement unit 128 500**
- 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.

**Poly-trimmer-N 210 611**
- Lab handpiece to work (trim) plaster. To be connected to the slip joint of the bur cable.

**Tool set 210 612**
- complete

**Erkoring cups 239 163**
- Suitable for mixing of all liquids in the dental practice or laboratory.

- Other availability upon inquiry.

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

**128 706**
- protective cover for column
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 (or 110) Volts/1600 Watt

Polymerisation apparatus for pressure/hot-polymerisation of crown and bridge materials and prosthetic acrylics.
- Infinitely variable temperature adjustment 0-120°C, timer 0-60 min.
- The large container holds one flask or one ERKODENT rebase 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.

Diemet-E
420 000 grey
Highly precisely model resin on epoxy base (see below).
- 50 ml resin, 30 ml hardener, 300 g filler,
- 2 measuring/mixing bowls
- 2 dosage spoons

Model resin on epoxy base. Diemet-E is dimensionally accurate, shows optimal detail reproduction. It is impact and abrasive resistant, resistant to fracture, easy to work and is excellently flowing.
Hardness min. 200 N/mm², contraction 0.05 %.

EKM-powder
758 000
20 g
Marking powder for the waxing-up technique.
Isolation powder for various uses, for ex. to isolate model resins (like Diemet-E) against polyether impression materials.

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.

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). The finished plaster base stands on 3 points so that increases in bite height because of dirt particles are excluded. Measuring scales on the side walls permit accurate dosing of the required plaster quantity.

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
Dipping wax
275 350
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 instruments
Wax instruments for modelling waxes and preformed wax elements.
Especially fine tweezers.

Preformed wax elements
Preformed wax elements: full crowns, occlusal parts, veneer parts, pontics for the ceramic technique as single part or as block.

Cerami-bloc
Cerami-bloc: Anatomically shaped and statically correct dimensioned framework parts for metal ceramics or for acrylic veneers. Large approximal space for best aesthetics with even layers. Oxide free, combustible without residues.

Preform-pads
Preformed wax elements with functional, natural-tooth-form like modulation. 28 different forms out of oxide free wax.

Sticky wax
Sticky wax 745 040
yellow, 50 g

Wax bite rims
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.

Plastic casting sprues
Plastic casting sprues, tip covered with sticky wax, thickness of shaft 1.8 mm, with reservoir shaft

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

opak
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 shrinking cavities and porosities. The casting result can additionally be improved if the cast is limited to the pear and object.

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.

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.

Casting object placing device by DTM Thiel

- **164 000**
  - contains 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 object placing device permits, in a most simple way, the placing of the casting objects in the correct place inside the casting flask.

Cooling fin by DTM Thiel

- **736 250**
  - 50 pieces
- **736 255**
  - 250 pieces

With the cooling fins which are led outwardly you will obtain an optimal heat dissipation out of especially thick casting objects like molar bridge links.

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, combustible 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 combustible without residues, however, they are not suited when casting ceramics. The oxide free waxes, combustible 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 combustible without residues, however, they are not suited when casting ceramics.

Scan waxes 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.

Waxes 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, combustible 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 combustible without residues, however, they are not suited when casting ceramics. Cervical wax red, hard, breaks in case of underruts, 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, combustible without residues, suited when casting ceramics.
### ERKOFLEX-color

**Thickness 2 mm, Order number (Contents)**

(heating times as for ERKOFLEX transparent)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Bright Red</th>
<th>Bright Yellow</th>
<th>Bright Blue</th>
<th>Bright Green</th>
<th>Bright Pink</th>
<th>Deep Red</th>
<th>Dark Blue</th>
<th>Maroon</th>
<th>Pure White</th>
<th>Deep Black</th>
<th>Gold</th>
<th>Silver</th>
<th>camouflage</th>
<th>light blue</th>
<th>tie-dye</th>
<th>confetti</th>
<th>Freestyle-blackline set</th>
</tr>
</thead>
</table>

*Order numbers for Erkoflex transparent, see list to the right.*

### ERKOKRYL

**assorted colours, Ø 120 mm, white-green/red-orange/blue/violet/clear thickness 2.0 mm, 57 12 19 (5)**

- **For Erkomini, 182 200 (manual coping production)**
  - **ERKOLEN-A**
    - Ø 42 mm, thickness 0.6 mm, 51 14 66 (100) • 51 24 66 (500)
  - **ERKOLEN-AW**
    - **like ERKOLEN**
      - Ø 42 mm, thickness 0.6 mm, 51 14 66 (100) • 51 24 66 (500)
  - **UFZ-A clear shrinkage compensation foil **ERKOLEN-A and -AW Ø 42 mm, thickness 0.1 mm, 53 24 01 (500)**

**Thickness 4 mm, Order number (Contents)**

(heating times as for ERKOFLEX transparent)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Bright Red</th>
<th>Bright Yellow</th>
<th>Bright Blue</th>
<th>Bright Green</th>
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<th>Confetti</th>
<th>Freestyle-blackline set</th>
</tr>
</thead>
</table>

*Order numbers for Erkoflex transparent, see list to the right.*

**assorted thicknesses, Ø 120 mm 2 x 2/3 x 3/4 x 5 mm 59 51 01 (10) • 59 54 00 (50)**

**UFZ-Cast, spacer foil**

for the casting technique.

**UFZ-Plus**

on red carrier foil, can be applied by one or two layers as spacer/insulating foil on each Erkodent foil. Aso additionally (by one layer) on already ex works applied spacer/insulating foils.
### Order number (Contents)

<table>
<thead>
<tr>
<th>Ø 125 mm</th>
<th>125 x 125 mm</th>
<th>Ø 120 mm</th>
</tr>
</thead>
</table>

#### For ERKODENT units:

- **Thermforming temp. (°C)**
- **Foil thickness (mm)**
- **Heating time (min.sec.)**

| 57 12 10 (50) | 0.50 | 160 | 0.35 |
| 57 12 15 (50) | 0.50 | 160 | 0.35 |
| 57 12 20 (50) | 0.80 | 160 | 0.45 |
| 57 12 25 (50) | 1.00 | 160 | 0.50 |
| 57 13 10 (50) | 2.00 | 155 | 1.25 |
| 57 13 20 (50) | 3.00 | 155 | 2.05 |
| 57 13 25 (50) | 4.00 | 155 | 2.40 |
| 57 13 30 (50) | 5.00 | 155 | 3.40 |

#### ERKODYUR - A1/ - A3

- **Ø 120 mm**
- **125 x 125 mm | Ø 125 mm**
- **Ø 120 mm**

| 52 15 05 (20) | 0.50 | 160 | 0.35 |
| 52 15 06 (20) | 0.60 | 160 | 0.40 |
| 52 15 08 (20) | 0.80 | 160 | 0.45 |
| 52 15 10 (20) | 1.00 | 160 | 0.50 |
| 52 15 15 (10) | 2.00 | 155 | 1.25 |
| 52 15 20 (10) | 3.00 | 155 | 2.05 |
| 52 15 30 (10) | 4.00 | 155 | 2.40 |
| 52 15 40 (10) | 5.00 | 155 | 3.40 |

#### ERKODYUR-C

- **Ø 120 mm**
- **125 x 125 mm | Ø 125 mm**
- **Ø 120 mm**

| 52 19 06 (20) | 0.50 | 160 | 0.45 |
| 52 19 10 (20) | 0.60 | 160 | 0.50 |
| 52 19 20 (10) | 0.80 | 160 | 1.00 |
| 52 22 08 (20) | 1.00 | 165 | 0.50 |
| 52 22 10 (20) | 2.00 | 155 | 1.25 |
| 52 55 06 (20) | 0.50 | 160 | 0.45 |
| 52 55 10 (20) | 0.60 | 160 | 0.50 |
| 52 55 20 (10) | 0.80 | 160 | 1.00 |
| 52 55 25 (10) | 1.00 | 160 | 1.10 |

#### ERKODYUR-S

- **Ø 120 mm**
- **125 x 125 mm | Ø 125 mm**
- **Ø 120 mm**

| 52 29 08 (20) | 0.80 | 160 | 0.40 |

#### ERKOFLEX

- **transparent**
- **EVA**
- **PETG**

#### ERKOFLEX-95

- **EVA**

#### ERKOFLEX-bleich

- **transparent**

#### ERKOLIGN

- **transparent**
- **PP**

#### ERKOLON-TPU

- **EVA**
- **PETG**

#### ERKOLON-PS

- **white-opaque**
- **pink**

#### ERKOPLAST-PS

- **clear**

#### ERKORIT

- **PS**

#### UZF-Cast

- **brown, for Erkolen**

#### UZF-Plus

- **PE**

### Table of Thermforming Properties

<table>
<thead>
<tr>
<th>Thermforming temp. (°C)</th>
<th>Foil thickness (mm)</th>
<th>Heating time (min.sec.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>57 12 10 (50)</td>
<td>0.50</td>
<td>160</td>
</tr>
<tr>
<td>57 12 15 (50)</td>
<td>0.50</td>
<td>160</td>
</tr>
<tr>
<td>57 12 20 (50)</td>
<td>0.80</td>
<td>160</td>
</tr>
<tr>
<td>57 12 25 (50)</td>
<td>1.00</td>
<td>160</td>
</tr>
<tr>
<td>57 13 10 (50)</td>
<td>2.00</td>
<td>155</td>
</tr>
<tr>
<td>57 13 20 (50)</td>
<td>3.00</td>
<td>155</td>
</tr>
<tr>
<td>57 13 25 (50)</td>
<td>4.00</td>
<td>155</td>
</tr>
<tr>
<td>57 13 30 (50)</td>
<td>5.00</td>
<td>155</td>
</tr>
<tr>
<td>58 19 10 (20)</td>
<td>1.00</td>
<td>100</td>
</tr>
<tr>
<td>58 22 06 (20)</td>
<td>2.00</td>
<td>100</td>
</tr>
<tr>
<td>58 54 10 (100)</td>
<td>0.50</td>
<td>170</td>
</tr>
<tr>
<td>58 54 15 (100)</td>
<td>0.60</td>
<td>170</td>
</tr>
<tr>
<td>58 54 20 (100)</td>
<td>0.80</td>
<td>170</td>
</tr>
<tr>
<td>58 54 25 (100)</td>
<td>1.00</td>
<td>170</td>
</tr>
<tr>
<td>58 54 30 (100)</td>
<td>2.00</td>
<td>170</td>
</tr>
<tr>
<td>58 54 35 (100)</td>
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<td>170</td>
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<tr>
<td>58 54 40 (100)</td>
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<tr>
<td>58 54 45 (100)</td>
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<tr>
<td>58 54 50 (100)</td>
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<td>58 54 55 (100)</td>
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<td>58 54 60 (100)</td>
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<td>58 54 65 (100)</td>
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<td>58 54 70 (100)</td>
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<td>58 54 75 (100)</td>
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<td>58 54 80 (100)</td>
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<td>58 54 85 (100)</td>
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<td>58 54 90 (100)</td>
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<td>58 54 95 (100)</td>
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</tr>
<tr>
<td>58 54 100 (100)</td>
<td>16.00</td>
<td>170</td>
</tr>
</tbody>
</table>

### Table of Other Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 125 mm</td>
<td>Ø 120 mm</td>
</tr>
<tr>
<td>0.10 PS</td>
<td>0.10 PS</td>
</tr>
<tr>
<td>0.10 PVC</td>
<td>0.10 PVC</td>
</tr>
<tr>
<td>0.10 PE</td>
<td>0.10 PE</td>
</tr>
</tbody>
</table>

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**Note:** The table includes various properties and specifications related to different types of materials and their applications. The entries are indicative and may vary depending on the specific product and manufacturer's specifications.