



ERKOFLEX-color

thickness 2 mm, order no. (contents)
(heating times as for ERKOFLEX transparent)

	Ø 120 mm	125 x 125 mm	Ø 125 mm
bright red	58 12 21 (5)	58 17 21 (5)	58 19 21 (5)
bright yellow	58 12 22 (5)	58 17 22 (5)	58 19 22 (5)
bright blue	58 12 23 (5)	58 17 23 (5)	58 19 23 (5)
bright green	58 12 24 (5)	58 17 24 (5)	58 19 24 (5)
bright pink	58 12 25 (5)	58 17 25 (5)	58 19 25 (5)
deep red	58 12 26 (5)	58 17 26 (5)	58 19 26 (5)
dark blue	58 12 27 (5)	58 17 27 (5)	58 19 27 (5)
light blue	58 12 28 (5)	58 17 28 (5)	58 19 28 (5)
maroon	58 12 31 (5)	58 17 31 (5)	58 19 31 (5)
deep green	58 12 32 (5)	58 17 32 (5)	58 19 32 (5)
pure white	58 12 33 (5)	58 17 33 (5)	58 19 33 (5)
deep black	58 12 34 (5)	58 17 34 (5)	58 19 34 (5)
gold	58 12 35 (5)	58 17 35 (5)	58 19 35 (5)
silver	58 12 36 (5)	58 17 36 (5)	58 19 36 (5)

Colour set, plain colours, 15 pieces (incl. transparent)
58 12 29 (15) 58 17 29 (15) 58 19 29 (15)

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)
camou.-strip	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)

thickness 4 mm, order no. (contents)
(heating times as for ERKOFLEX transparent)

	Ø 120 mm	125 x 125 mm	Ø 125 mm
bright red	58 12 41 (5)	58 17 41 (5)	58 19 41 (5)
bright yellow	58 12 42 (5)	58 17 42 (5)	58 19 42 (5)
bright blue	58 12 43 (5)	58 17 43 (5)	58 19 43 (5)
bright green	58 12 44 (5)	58 17 44 (5)	58 19 44 (5)
bright pink	58 12 45 (5)	58 17 45 (5)	58 19 45 (5)
deep red	58 12 46 (5)	58 17 46 (5)	58 19 46 (5)
dark blue	58 12 47 (5)	58 17 47 (5)	58 19 47 (5)
light blue	58 12 48 (5)	58 17 48 (5)	58 19 48 (5)
maroon	58 12 51 (5)	58 17 51 (5)	58 19 51 (5)
deep green	58 12 52 (5)	58 17 52 (5)	58 19 52 (5)
pure white	58 12 53 (5)	58 17 53 (5)	58 19 53 (5)
deep black	58 12 54 (5)	58 17 54 (5)	58 19 54 (5)
gold	58 12 55 (5)	58 17 55 (5)	58 19 55 (5)
silver	58 12 56 (5)	58 17 56 (5)	58 19 56 (5)

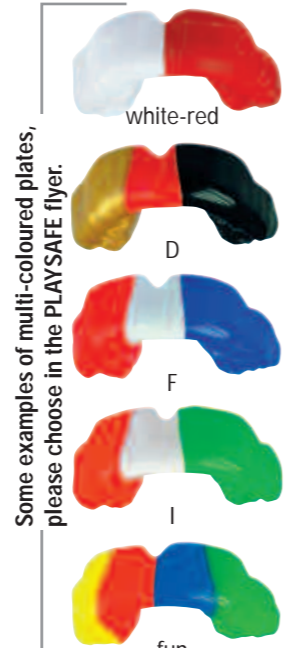
Colour set, plain colours, 15 pieces (incl. transparent)
58 12 49 (15) 58 17 49 (15) 58 19 49 (15)

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)

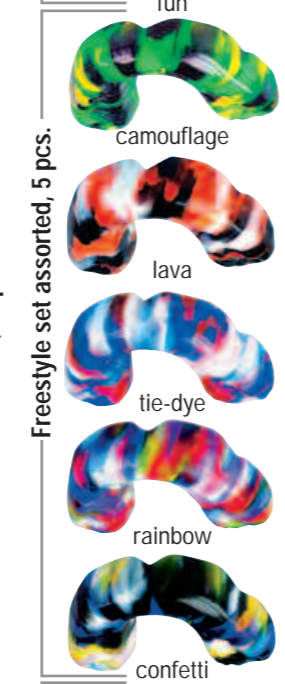
zebra	58 12 85 (5)	58 17 85 (5)	58 19 85 (5)
goldflakes	58 12 86 (5)	58 17 86 (5)	58 19 86 (5)
silverflakes	58 12 87 (5)	58 17 87 (5)	58 19 87 (5)
camou.-strip	58 12 88 (5)	58 17 88 (5)	58 19 88 (5)
lavastrip	58 12 90 (5)	58 17 90 (5)	58 19 90 (5)
Freestyle-blackline set	58 12 99 (5)	58 17 99 (5)	58 19 99 (5)



Colour set assorted, 15 pcs.



Some examples of multi-coloured plates, please choose in the PLAYSAFE flyer.



Freestyle set assorted, 5 pcs.



Freestyle-blackline set assorted, 5 pcs.

ERKOCRYL

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



ERKOCRYL

pink, Ø 120 mm
thickness 2.0 mm, 57 22 20 (10)

For Erkomini, 182 200
(manual coping production)
ERKOLEN-A transparent
(harder than ERKOLEN)

Ø 42 mm, thickness 0.6 mm,
51 14 66 (100) • 51 24 66 (500)

ERKOLEN-AW transparent
(like ERKOLEN)

Ø 42 mm, thickness 0.6 mm,
51 14 06 (100) • 51 24 06 (500)

UZF-A clear,
shrinkage compensation foil for
ERKOLEN-A and -AW
Ø 42 mm, thickness 0.1 mm,
53 14 01 (200) • 53 24 01 (500)

ERKOLEN Ø 70 mm thicken.

51 67 05 (20) • 51 47 05 (100)	0.50
51 67 06 (20) • 51 47 06 (100)	0.60
51 67 07 (20) • 51 47 07 (100)	0.70
51 67 08 (20) • 51 47 08 (100)	0.80
51 67 10 (20) • 51 47 10 (100)	1.00

ERKODUR-C Ø 70 mm thicken.

52 70 05 (20) • 52 74 05 (100)	0.50
52 70 06 (20) • 52 74 06 (100)	0.60
52 70 08 (20) • 52 74 08 (100)	0.80

ERKODUR Ø 70 mm thicken.

52 67 05 (20) • 52 47 05 (100)	0.50
52 67 06 (20) • 52 47 06 (100)	0.60
52 67 08 (20) • 52 47 08 (100)	0.80

ERKOLOC-pro

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

UZF-Cast, spacer foil for the
casting technique.

UZF-Plus on red carrier foil, can be
applied one or two times on each
Erkodent foil as spacer/insulating foil. Also additionally (one time) on spacer/insulating foils
that are already applied ex works. Does not affect heating temperatures or heating times.

Order no. (contents)

For ERKODENT units: heating time (min. sec.)
thermoforming temp. (°C)

Order no. (contents)	125 x 125 mm	Ø 120 mm	foil thickness (mm)		heating time (min. sec.)	thermoforming temp. (°C)
			1.50	2.00		
Ø 125 mm						
52 15 05 (20) • 52 45 05 (100)	52 14 05 (20) • 52 44 05 (100)	52 12 05 (20) • 52 42 05 (100)	1.50	195	1.55	
52 15 06 (20) • 52 45 06 (100)	52 14 06 (20) • 52 44 06 (100)	52 12 06 (20) • 52 42 06 (100)	2.00	195	2.20	
52 15 08 (20) • 52 45 08 (100)	52 14 08 (20) • 52 44 08 (100)	52 12 08 (20) • 52 42 08 (100)	0.80	160	0.45	
52 15 10 (20) • 52 45 10 (100)	52 14 10 (20) • 52 44 10 (100)	52 12 10 (20) • 52 42 10 (100)	1.00	160	0.50	
52 15 15 (10) • 52 45 15 (50)	52 14 15 (10) • 52 44 15 (50)	52 12 15 (10) • 52 42 15 (50)	1.50	160	1.05	
52 15 20 (10) • 52 45 20 (50)	52 14 20 (10) • 52 44 20 (50)	52 12 20 (10) • 52 42 20 (50)	2.00	155	1.25	
52 15 30 (10) • 52 45 30 (50)	52 14 30 (10) • 52 44 30 (50)	52 12 30 (10) • 52 42 30 (50)	3.00	155	2.05	
52 15 40 (10) • 52 45 40 (50)	52 14 40 (10) • 52 44 40 (50)	52 12 40 (10) • 52 42 40 (50)	4.00	155	2.40	
		52 12 50 (10) • 52 42 50 (50)	5.00	155	3.40	
ERKODUR-A1 ERKODUR-A3	ERKODUR-A1 ERKODUR-A3	ERKODUR-A1 ERKODUR-A3				
52 19 06 (20) 52 65 06 (20)	52 24 06 (20) 52 69 06 (20)	52 22 06 (20) 52 62 06 (20)	0.60	170	0.40	
52 19 10 (20) 52 65 10 (20)	52 24 10 (20) 52 69 10 (20)	52 22 10 (20) 52 62 10 (20)	1.00	165	0.50	
52 19 20 (10)	52 24 20 (10)	52 22 20 (10)	2.00	155	1.25	
		52 52 05 (20) • 52 82 05 (100)	0.50	170	0.45	
52 55 06 (20) • 52 85 06 (100)	52 54 06 (20) • 52 84 06 (100)	52 52 06 (20) • 52 82 06 (100)	0.60	170	0.50	
		52 52 08 (20) • 52 82 08 (100)	0.80	170	1.00	
		52 52 10 (20) • 52 82 10 (100)	1.00	170	1.10	
52 29 08 (20)	52 18 08 (20)	52 13 08 (20)	0.80	160	0.40	
58 19 10 (20) • 58 49 10 (100)	58 17 10 (20) • 58 47 10 (100)	58 12 10 (20) • 58 42 10 (100)	1.00	100	0.25	
58 19 15 (10) • 58 49 15 (50)	58 17 15 (10) • 58 47 15 (50)	58 12 15 (10) • 58 42 15 (50)	1.50	105	0.35	
58 19 20 (10) • 58 49 20 (50)	58 17 20 (10) • 58 47 20 (50)	58 12 20 (10) • 58 42 20 (50)	2.00	110	0.55	
58 19 30 (10) • 58 49 30 (50)	58 17 30 (10) • 58 47 30 (50)	58 12 30 (10) • 58 42 30 (50)	3.00	100	1.25	
58 19 40 (10) • 58 49 40 (50)	58 17 40 (10) • 58 47 40 (50)	58 12 40 (10) • 58 42 40 (50)	4.00	100	2.05	
58 19 50 (10) • 58 49 50 (50)	58 17 50 (10) • 58 47 50 (50)	58 12 50 (10) • 58 42 50 (50)	5.00	100	2.30	
58 59 15 (10) • 58 54 15 (50)	58 69 15 (10) • 58 67 15 (50)	58 92 15 (10) • 58 94 15 (50)	1.50	155	1.15	
58 59 25 (10) • 58 54 25 (50)	58 69 25 (10) • 58 67 25 (50)	58 92 25 (10) • 58 94 25 (50)	2.50	140	1.55	
58 59 40 (10) • 58 54 40 (50)	58 69 40 (10) • 58 67 40 (50)	58 92 40 (10) • 58 94 40 (50)	4.00	130	2.45	
58 15 10 (20) • 58 45 10 (100)	58 18 10 (20) • 58 48 10 (100)	58 13 10 (20) • 58 43 10 (100)	1.00	175	0.55	
		58 58 10 (5)	1.00	100	0.50	
51 15 05 (20) • 51 45 05 (100)	51 13 05 (20) • 51 43 05 (100)	51 12 05 (20) • 51 42 05 (100)	0.50	175	0.35	
51 15 06 (20) • 51 45 06 (100)	51 13 06 (20) • 51 43 06 (100)	51 12 06 (20) • 51 42 06 (100)	0.60	175	0.40	
51 15 07 (20) • 51 45 07 (100)	51 13 07 (20) • 51 43 07 (100)	51 12 07 (20) • 51 42 07 (100)	0.70	170	0.45	
		51 12 08 (20) • 51 42 08 (100)	0.80	170	0.55	
51 15 10 (20) • 51 45 10 (100)	51 13 10 (20) • 51 43 10 (100)	51 12 10 (20) • 51 42 10 (100)	1.00	165	1.00	
		51 12 15 (10) • 51 42 15 (50)	1.50	160	1.35	
51 15 20 (10) • 51 45 20 (50)	51 13 20 (10) • 51 43 20 (50)	51 12 20 (10) • 51 42 20 (50)	2.00	150	2.05	
		51 12 30 (10) • 51 42 30 (50)	3.00	140	2.55	
54 15 10 (20) • 54 45 10 (100)	54 12 10 (20) • 54 42 10 (100)	54 12 10 (20) • 54 42 10 (100)	1.00	200	1.50	
54 15 20 (10) • 54 45 20 (50)	54 12 20 (10) • 54 42 20 (50)	54 12 20 (10) • 54 42 20 (50)	2.00	200	2.40	
59 15 18 (10) • 59 45 18 (50)	59 18 18 (10) • 59 48 18 (50)	59 12 18 (10) • 59 42 18 (50)	1.80	135	1.20	
59 15 30 (10) • 59 45 30 (50)	59 18 30 (10) • 59 48 30 (50)	59 12 30 (10) • 59 42 30 (50)	3.00	120	2.05	
		59 51 20 (10) • 59 54 20 (50)	2.00	170	1.55	
		59 51 30 (10) • 59 54 30 (50)	3.00	165	2.40	
		59 51 40 (10) • 59 54 40 (50)	4.00	160	3.25	
		59 51 50 (10) • 59 54 50 (50)	5.00	160	4.30	
55 19 15 (10) • 55 49 15 (50)	55 28 15 (10) • 55 48 15 (50)	55 15 15 (10) • 55 45 15 (50)	1.50	165	1.25	
55 19 25 (10) • 55 49 25 (50)	55 28 25 (10) • 55 48 25 (50)	55 15 25 (10) • 55 45 25 (50)	2.50	150	1.45	
55 19 30 (10) • 55 49 30 (50)	55 28 30 (10) • 55 48 30 (50)	55 15 30 (10) • 55 45 30 (50)	3.00	150	2.05	
55 19 40 (10) • 55 49 40 (50)	55 28 40 (10) • 55 48 40 (50)	55 15 40 (10) • 55 45 40 (50)	4.00	150	3.00	
	55 14 15 (10) • 55 44 15 (50)	55 12 15 (10) • 55 42 15 (50)	1.50	165	1.15	
	55 14 25 (10) • 55 44 25 (50)	55 12				

	Material characteristics
ERKOCRYL	Stable, hard, acrylate based material. <u>Bonds to acrylate.</u> (*)
ERKODUR	Very tough, hard material. Very well thermoformable. <u>Burns without residues. Bonds to acrylate.</u> (*)
ERKODUR -A1/-A3	The colour shade is close to A1 respectively A3, but it is also dependent on the thickness, otherwise as Erkodur.
ERKODUR-C	Tough, hard material. Very well thermoformable. <u>Burns without residues. Bonds to acrylate.</u>
ERKODUR-S	Hard material. Very well thermoformable. <u>Bonds to acrylate and with heat to ERKOFLEX.</u>
ERKOFLEX	Rubbery, soft material. Can be bonded by heating or with fusing gun (Erkoflexsticks-95). <u>Does not bond to acrylate.</u> Hardness Shore A: 82
ERKOFLEX-95	Rubbery, tough material. Can be adjusted by heat or with fusing gun (Erkoflexsticks-95). Hardness Shore A: 95. <u>Does not bond to acrylate.</u>
ERKOFLEX -bleach	Very well thermoformable, flexible material with high elasticity. Hardness Shore A: 95 <u>Does not bond to acrylate.</u>
ERKOFLEX-Sv	like Erkoflex with filler materials (noble earths)
ERKOLEN	Soft resilient material. <u>Burns without residues.</u> <u>Does not bond to acrylate.</u>
ERKOLIGN	Extremely resistant, breakstable foil. <u>Does not bond to acrylate.</u>
ERKOLOC	Double layer plate, hard/soft. <u>Hard layer bonds to acrylate.</u> Allow to rest for app. 2 hours in order to ensure a stable bond to acrylate. Lower durability than single layer plates.
ERKOLOC -pro	Double layer plate, hard/soft. <u>Hard side bonds to acrylate.</u> The thickness of the soft side is always 1 mm. Similar durability as single layer plates. (*)
ERKOPLAST-O	Impact resistant, very rigid material. Very well thermoformable. <u>Bonds to acrylate.</u>
ERKOPLAST-R	Impact resistant, very rigid material. Very well thermoformable. <u>Bonds to acrylate.</u>
ERKORIT	Impact resistant, very rigid material. Very well thermoformable. <u>Bonds to acrylate.</u>
UZF-Cast UZF-Plus	Shrinkage compensation foil. <u>Recommendation:</u> clear UZF-Cast for Erkodur-C, red and brown for Erkolen. UZF-Plus can be applied on all materials.

(*) Materials that are not packed and stored in aluminium foils have to be predried. (Erkodur only in the thicknesses 4.0/5.0 mm).

Selection of the right material thickness

To select the right material thickness it has to be taken into consideration that the thermoforming material loses 20 - 25 % of its original thickness when forming a model area of 1 cm height, for 2 cm height the loss is 30 - 40 %.
For occlusal splints the thickness is selected according to the desired verticalisation that possibly still allows a grinding-in without additional adjustment.

Plastification

in units without time or temperature control.

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

Biocompatibility

All thermoforming materials are tested on their biocompatibility. They correspond to the EEC guideline 93/42/EEC (medical products class 1) and are CE marked.

Instructions for cleaning and maintenance

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

- 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). Cleaning agents for dentures can be used but do not have any advantage.

After use:

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

Generation of bad smells

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

Discolouring

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

Disinfection

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

Sterilisation

A sterilisation with gaz and plasma (< 50 °C) is possible. As a result of the thermo-lability the materials are not autoclavable.

Thermoforming technique:

Application

Material recommendation

Base plates	Erkoplast-R/-O, 1.5/2.5 mm, hard
Bite plates	Erkoplast-R/-O, 1.5/2.5 mm, hard
Bleaching trays	Erkoflex-bleach, 1.0 mm
Bruxism splints	see occlusal splints
Casting objects / copings	Erkodur, 0.5 - 0.8 mm, hard Erkolen, 0.5 - 0.8 mm, elastic
Compression plates	see dressing plates
Cosmetic splints	Erkodur-A1/A3, 1.0 and 2.0 mm
Denture bases	Erkocryl, 2.0 and 2.5 mm, pink
Dressing plates	Erkodur, 1.0 - 2.0 mm, clear Erkocryl, 1.5 and 2.0 mm, clear
Duplication moulds	Erkoflex, 3.0 - 5.0 mm
Fluoride trays	Erkoflex, 1.5 and 2.0 mm
Functional trays	Erkorit, 2.5 and 3.5 mm, clear Erkoplast-O, 3.0 and 4.0 mm,
Gingival dressings	Erkolen, 1.0 and 1.5 mm
Individual impression trays	Erkorit, 2.5 and 3.5 mm, clear Erkoplast-O, 3.0 and 4.0 mm,
Insulating/spacer foils	UZF-Plus, 0.1 mm UZF-Cast (casting technique)
Interim prosthesis	Erkocryl, 2.0/2.5 mm, pink or clear
Medication trays	Erkoflex-bleach, 1.0 mm Erkoflex, 1.5 and 2.0 mm
Michigan splints	Erkodur, 1.5 - 5.0 mm, hard Erkoloc-pro, 2.0 - 5.0 mm, soft/hard
Occlusal splints	Erkodur, 1.5 - 5.0 mm, hard Erkodur-A1, 1.0/2.0 mm, hard Erkoloc-pro, 2.0 - 5.0 mm, soft/hard Erkolign, 2.0 mm, very tough Erkoflex-95, 2.5/4.0 mm, soft
Playsafe sports mouthguards	Erkoflex, 2.0 and 4.0 mm Erkodur-S, 0.8 mm (heavy/light-pro)
Radiation protection splints	Erkoflex, 4.0 and 5.0 mm
Spacer for medicaments	Erkolen, 1.0 mm, can only be used with Erkoflex but not with Erkoflex-bleach/-95
Stabilization splints	Erkodur, 1.0 mm, hard Erkodur-A1/A3, 1.0 mm, hard Erkoloc-pro, 2.0 mm, soft/hard Erkolign, 1.0 mm, very tough
Temporary appliances, combined	Erkodur-C, 0.6 - 1.0 mm, clear Erkodur, 0.6 - 1.0 mm, clear Erkodur-A1/-A3, 0.6 mm,
Temporary appliances, only mould	Erkolen, 0.8 and 1.0 mm
X-ray opaque splints	Erkoflex-Sv, 1.0 mm

Implantology

Drilling templates	Erkodur, 1.0 - 3.0 mm
Planning templates	Erkodur, 1.0 - 3.0 mm
Protection splints	Erkodur, 1.0 mm, hard Erkoflex-95, 1.5 mm, soft Erkolign, 1.0 mm
X-ray opaque splints	Erkoflex-Sv, 1.0 mm
X-ray templates	Erkodur, 1.0 - 3.0 mm

Orthodontics

Bracket transfer/etching masks	Erkolen, 0.8 and 1.0 mm
Bracket transfer splints	Erkoflex, 1.5 and 2.0 mm
Correction splints	Erkodur, 1.0 and 1.5 mm Erkolign, 1.0 mm
Extension plates	Erkocryl, 2.0 and 2.5 mm
Orthodontic plates	Erkocryl, 2.0 and 2.5 mm
Positioners	Erkoflex, 3.0 - 5.0 mm
Retainers	Erkodur, 0.6 - 2.0 mm (Erkolign, 1.0 mm)
Retention plates	Erkoloc-pro, 2.0 mm Erkocryl, 2.0 and 2.5 mm

