

Thermofforming

Thermofforming material

EN

Application	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, soft Erkoloc-pro, 1,0 mm, soft/hard
Bruxism splints	see occlusal splints
Compression plates	see dressing plates
Copings	Erkodur, 0,5 - 0,8 mm, hard Erkolen, 0,5 - 0,8 mm, elastic
Cosmetic splints	Erkodur-0M1/-A1/-A2/-A3, 0,6 - 2,0 mm, hard
Denture bases	Erkocryl, 2,0 and 2,5 mm, hard
Dressing plates	Erkocryl, 1,5 and 2,0 mm, hard Erkodur, 1,0 - 2,0 mm, hard
Duplication moulds	Erkoflex, 3,0 - 5,0 mm, soft
Fluoride trays	Erkoflex, 1,5 and 2,0 mm, soft Erkoflex-bleach, 1,0 mm, soft Erkoloc-pro, 1,0 mm, soft/hard
Functional trays	Erkoplast PLA-W/-T white and transp., 3,0 (upper), 4,0 mm (lower), hard
Gingival dressings	Erkolen, 1,0 and 1,5 mm, elastic
Individual impression trays	Erkoplast PLA-W/-T white and transp., 3,0 (upper), 4,0 mm (lower), hard
Insulating/spacer foils (for the casting technique)	UZF-Plus, 0,1 mm (UZF-Cast, 0,1/0,15 mm)
Interim prosthesis	Erkocryl, 2,0 and 2,5 mm, hard
Medication trays	Erkoflex, 1,5 and 2,0 mm, soft Erkoflex-bleach, 1,0 mm, soft Erkoloc-pro, 1,0 mm, soft/hard
Michigan splints	Erkodur, 1,5 - 5,0 mm, hard Erkoloc-pro, 2,0 - 5,0 mm, soft/hard
Occlusal splints	Erkodur, 1,5 - 5,0 mm, hard Erkodur-0M1/-A1/-A2/-A3, 2,0 mm, hard Erkoflex-95, 2,5 and 4,0 mm, soft Erkolign, 2,0 mm, tough-hard Erkoloc-pro, 2,0 - 5,0 mm, soft/hard
Radiation protection splints	Erkoflex, 4,0 and 5,0 mm, soft Erkoflex-95, 4,0 mm, soft

Application	Material recommendation
Sports mouthguards	Erkodur-S, 0,8 mm (heavy-/light-pro), hard
Playsafe	Erkoflex, 2,0 and 4,0 mm, soft Erkoflex-color, 2,0 and 4,0 mm, soft
Playsafe triple	Playsafe triple, 5,5 mm, soft/hard/soft Playsafe triple light, 4,1 mm, soft/hard/soft
Silensor-sl anti-snoring device	Erkodur, 2,0 and 3,0 mm, hard Erkodur-0M1/-A1/-A2/-A3, 2,0 mm, hard Erkoloc-pro, 3,0 mm, soft/hard
Spacer for medicaments	Erkolen, 1,0 mm, elastic
Stabilization splints	Erkodur, 1,0 mm, hard Erkodur-0M1/-A1/-A2/-A3, 1,0 mm, hard Erkolign, 1,0 mm, tough-hard Erkoloc-pro, 1,0 mm, soft/hard
Temporary appliances, combines to resin only with PV-Primer (222 970)	Erkodur, 0,6 - 1,0 mm, hard Erkodur-0M1/-A1/-A2/-A3, 0,6 and 1,0 mm, hard
Temporary appl., only mould	Erkolen, 0,8 and 1,0 mm, elastic
Usig friction-generating coping	Usig-foil, 0,5 mm, hard
Implantology	
Drilling-, planning and X-ray templates	Erkodur, 1,0 - 5,0 mm, hard
Protection splints	Erkodur, 1,0 mm, hard Erkoflex-95, 1,5 mm, soft Erkolign, 1,0 mm, very tough
Orthodontics	
Bracket transfer/etching masks	Erkolen, 0,8 and 1,0 mm, elastic
Bracket transfer splints	Erkoflex, 1,5 and 2,0 mm, soft
Correction splints	Erkodur, 1,0 and 1,5 mm, hard Erkolign, 1,0 mm, very tough Erkoloc-pro, 1,0 and 1,3 mm, soft/hard
Orthodontic/extension plates	Erkocryl, 2,0 and 2,5 mm, hard
Positioners	Erkoflex, 3,0 - 5,0 mm, soft
Retainers	Erkodur, 0,6 - 1,5 mm, hard Erkolign, 1,0 mm, very tough Erkoloc-pro, 1,0 - 2,0 mm, soft/hard
Retention plates	Erkocryl, 2,0 and 2,5 mm, hard

Material	Ft	Tft	Ht	Order number (Contents)	Order number (Contents)	Order number (Contents)
	mm	°C	min	Ø 120 mm	125 x 125 mm	Ø 125 mm
Erkocryl clear	1.50	195	1.55	57 12 15 (10) • 57 42 15 (50)		
	2.00	195	2.20	57 12 20 (10) • 57 42 20 (50)		
	2.50	195	2.55	57 12 25 (10) • 57 42 25 (50)		
Erkocryl rose	2.00	195	2.20	57 22 20 (10)		
Erkodur clear, with insulating foil	0.50	160	0.35	52 12 05 (20) • 52 42 05 (100)	52 14 05 (20) • 52 44 05 (100)	52 15 05 (20) • 52 45 05 (100)
	0.60	160	0.40	52 12 06 (20) • 52 42 06 (100)	52 14 06 (20) • 52 44 06 (100)	52 15 06 (20) • 52 45 06 (100)
	0.80	160	0.45	52 12 08 (20) • 52 42 08 (100)	52 14 08 (20) • 52 44 08 (100)	52 15 08 (20) • 52 45 08 (100)
	1.00	160	0.50	52 12 10 (20) • 52 42 10 (100)	52 14 10 (20) • 52 44 10 (100)	52 15 10 (20) • 52 45 10 (100)
	1.50	160	1.05	52 12 15 (10) • 52 42 15 (50)	52 14 15 (10) • 52 44 15 (50)	52 15 15 (10) • 52 45 15 (50)
	2.00	155	1.25	52 12 20 (10) • 52 42 20 (50)	52 14 20 (10) • 52 44 20 (50)	52 15 20 (10) • 52 45 20 (50)
	3.00	155	2.05	52 12 30 (10) • 52 42 30 (50)	52 14 30 (10) • 52 44 30 (50)	52 15 30 (10) • 52 45 30 (50)
	4.00	155	2.40	52 12 40 (10) • 52 42 40 (50)		52 15 40 (10) • 52 45 40 (50)
	5.00	155	3.40	52 12 50 (10) • 52 42 50 (50)		
Erkodur freeze turquoise-transparent, with insulating foil	1.00	160	0.50	52 91 10 (20) • 52 94 10 (100)	52 86 10 (20) • 52 88 10 (100)	52 75 10 (20) • 52 76 10 (100)
	1.50	160	1.05	52 91 15 (10) • 52 94 15 (50)	52 86 15 (10) • 52 88 15 (50)	52 75 15 (10) • 52 76 15 (50)
	2.00	155	1.25	52 91 20 (10) • 52 94 20 (50)	52 86 20 (10) • 52 88 20 (50)	52 75 20 (10) • 52 76 20 (50)
	3.00	155	2.05	52 91 30 (10) • 52 94 30 (50)	52 86 30 (10) • 52 88 30 (50)	52 75 30 (10) • 52 76 30 (50)
Erkodur-0M1 tooth colour, with insulating foil	0.60	170	0.40	52 61 06 (20)	52 28 06 (20)	52 26 06 (20)
	1.00	165	0.50	52 61 10 (20)	52 28 10 (20)	52 26 10 (20)
	2.00	155	1.25	52 61 20 (10)		
Erkodur-A1 tooth colour, with insulating foil	0.60	170	0.40	52 22 06 (20)	52 24 06 (20)	52 19 06 (20)
	1.00	165	0.50	52 22 10 (20)	52 24 10 (20)	52 19 10 (20)
	2.00	155	1.25	52 22 20 (10)	52 24 20 (10)	52 19 20 (10)
Erkodur-A2 tooth colour, with insulating foil	0.60	170	0.40	52 23 06 (20)	52 68 06 (20)	52 64 06 (20)
	1.00	165	0.50	52 23 10 (20)	52 68 10 (20)	52 64 10 (20)
	2.00	155	1.25	52 23 20 (10)	52 68 20 (10)	52 64 20 (10)
Erkodur-A3 tooth colour, with insulating foil	0.60	170	0.40	52 62 06 (20)	52 69 06 (20)	52 65 06 (20)
	1.00	165	0.50	52 62 10 (20)	52 69 10 (20)	52 65 10 (20)
	2.00	155	1.25	52 62 20 (10)	52 69 20 (10)	52 65 20 (10)
Erkodur-S clear	0.80	160	0.40	52 13 08 (20)	52 18 08 (20)	52 29 08 (20)
Erkoflex transparent, with insulating foil Temperature and time indication for Erkoflex without insulating foil, see instructions	1.00	130	0.40	58 12 10 (20) • 58 42 10 (100)	58 17 10 (20) • 58 47 10 (100)	58 19 10 (20) • 58 49 10 (100)
	1.50	130	0.55	58 12 15 (10) • 58 42 15 (50)	58 17 15 (10) • 58 47 15 (50)	58 19 15 (10) • 58 49 15 (50)
	2.00	130	1.25	58 12 20 (10) • 58 42 20 (50)	58 17 20 (10) • 58 47 20 (50)	58 19 20 (10) • 58 49 20 (50)
	3.00	130	2.25	58 12 30 (10) • 58 42 30 (50)	58 17 30 (10) • 58 47 30 (50)	58 19 30 (10) • 58 49 30 (50)
	4.00	120	3.05	58 12 40 (10) • 58 42 40 (50)	58 17 40 (10) • 58 47 40 (50)	58 19 40 (10) • 58 49 40 (50)
	5.00	120	3.30	58 12 50 (10) • 58 42 50 (50)	58 17 50 (10) • 58 47 50 (50)	58 19 50 (10) • 58 49 50 (50)
Erkoflex-bleach transp., with insul. f.	1.00	175	0.55	58 13 10 (20) • 58 43 10 (100)	58 18 10 (20) • 58 48 10 (100)	58 15 10 (20) • 58 45 10 (100)

Ft Ft = Foil thickness (mm)

Tft Tft = Thermoforming temperature (°C),

Ht Ht = Heating time (min. sec.)

Material	Ft	Tft	Ht	Order number (Contents)	Order number (Contents)	Order number (Contents)
	mm	°C	min	Ø 120 mm	125 x 125 mm	Ø 125 mm
Erkoflex-95 transparent, with insulating foil	1.50	155	1.15	58 92 15 (10) • 58 94 15 (50)	58 69 15 (10) • 58 67 15 (50)	58 59 15 (10) • 58 54 15 (50)
	2.50	140	1.55	58 92 25 (10) • 58 94 25 (50)	58 69 25 (10) • 58 67 25 (50)	58 59 25 (10) • 58 54 25 (50)
	4.00	130	2.45	58 92 40 (10) • 58 94 40 (50)	58 69 40 (10) • 58 67 40 (50)	58 59 40 (10) • 58 54 40 (50)
Erkolen transparent, with insulating foil	0.50	175	0.35	51 12 05 (20) • 51 42 05 (100)	51 13 05 (20) • 51 43 05 (100)	51 15 05 (20) • 51 45 05 (100)
	0.60	175	0.40	51 12 06 (20) • 51 42 06 (100)	51 13 06 (20) • 51 43 06 (100)	51 15 06 (20) • 51 45 06 (100)
	0.70	170	0.45	51 12 07 (20) • 51 42 07 (100)	51 13 07 (20) • 51 43 07 (100)	51 15 07 (20) • 51 45 07 (100)
	0.80	170	0.55	51 12 08 (20) • 51 42 08 (100)	51 13 08 (20) • 51 43 08 (100)	
	1.00	165	1.00	51 12 10 (20) • 51 42 10 (100)	51 13 10 (20) • 51 43 10 (100)	51 15 10 (20) • 51 45 10 (100)
	1.50	160	1.35	51 12 15 (10) • 51 42 15 (50)	51 13 15 (10) • 51 43 15 (50)	
	2.00	150	2.05	51 12 20 (10) • 51 42 20 (50)	51 13 20 (10) • 51 43 20 (50)	51 15 20 (10) • 51 45 20 (50)
	3.00	140	2.55	51 12 30 (10) • 51 42 30 (50)	51 13 30 (10) • 51 43 30 (50)	
Erkolign transparent, with insulating foil	1.00	200	1.50	54 12 10 (20) • 54 42 10 (100)		54 15 10 (20) • 54 45 10 (100)
	2.00	200	2.40	54 12 20 (10) • 54 42 20 (50)		54 15 20 (10) • 54 45 20 (50)
Erkoloc-pro transparent, with insulating foil	1.00	160	1.00	59 51 10 (20) • 59 54 10 (100)	59 52 10 (20)	59 55 10 (20)
	1.30	160	1.10	59 51 13 (20) • 59 54 13 (100)	59 52 13 (20)	59 55 13 (20)
	2.00	170	1.55	59 51 20 (10) • 59 54 20 (50)	59 52 20 (10)	59 55 20 (10)
	3.00	165	2.40	59 51 30 (10) • 59 54 30 (50)	59 52 30 (10)	59 55 30 (10)
	4.00	160	3.25	59 51 40 (10) • 59 54 40 (50)		59 55 40 (10)
	5.00	160	4.30	59 51 50 (10) • 59 54 50 (50)		59 55 50 (10)
Erkoloc-pro <i>blu</i> blue-transparent, with insulating foil	2.00	170	1.55	59 56 20 (10) • 59 58 20 (50)	59 76 20 (10)	59 66 20 (10)
	3.00	165	2.40	59 56 30 (10) • 59 58 30 (50)	59 76 30 (10)	59 66 30 (10)
	4.00	160	3.25	59 56 40 (10) • 59 58 40 (50)		59 66 40 (10)
	5.00	160	4.30	59 56 50 (10) • 59 58 50 (50)		59 66 50 (10)
Erkoloc-pro <i>green</i> green-transparent, with insulating foil	2.00	170	1.55	59 72 20 (10) • 59 74 20 (50)	59 65 20 (10)	59 82 20 (10)
	3.00	165	2.40	59 72 30 (10) • 59 74 30 (50)	59 65 30 (10)	59 82 30 (10)
	4.00	160	3.25	59 72 40 (10) • 59 74 40 (50)		59 82 40 (10)
	5.00	160	4.30	59 72 50 (10) • 59 74 50 (50)		59 82 50 (10)
Erkoloc-pro <i>pink</i> pink-transparent, with insulating foil	2.00	170	1.55	59 59 20 (10) • 59 69 20 (50)	59 70 20 (10)	59 75 20 (10)
	3.00	165	2.40	59 59 30 (10) • 59 69 30 (50)	59 70 30 (10)	59 75 30 (10)
	4.00	160	3.25	59 59 40 (10) • 59 69 40 (50)		59 75 40 (10)
	5.00	160	4.30	59 59 50 (10) • 59 69 50 (50)		59 75 50 (10)
Erkoplant PLA-R, rose	1.50	130	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)
Erkoplant PLA-T, transparent	3.00	130	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	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)
Erkoplant PLA-W, white	3.00	130	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	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 w. i. f.	0.50	160	0.30	65 00 05 (20)		

Material		Ft	Order number (Contents)		
		mm	Ø 120 mm	Ø 125 mm	Ø 70 mm
UZF-Cast	red	0.10	53 11 01 (100)	53 25 01 (100)	53 17 01 (100)
	brown	0.15	53 11 15 (100)		53 17 15 (100)
UZF-Cast , spacer foil for the casting technique					
UZF-Plus clear with logo		0.10	53 12 01 (50)		
UZF-Plus on red carrier foil, can be applied by one or two layers as spacer/insulating foil on each Erkodent foil. Also additionally (by one layer) on already ex works applied spacer/insulating foils.					

Ft Ft = Foil thickness (mm)

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

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

Material	Ft	Order number (Contents)
	mm	Ø 70 mm
Erkodur clear, with insulating foil	0.50	52 67 05 (20) • 52 47 05 (100)
	0.60	52 67 06 (20) • 52 47 06 (100)
	0.80	52 67 08 (20) • 52 47 08 (100)
Erkolen transparent	0.50	51 67 05 (20) • 51 47 05 (100)
	0.60	51 67 06 (20) • 51 47 06 (100)
	0.70	51 67 07 (20) • 51 47 07 (100)
	0.80	51 67 08 (20) • 51 47 08 (100)
	1.00	51 67 10 (20) • 51 47 10 (100)

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

Shrinkage compensation foil for Erkolen-A and -AW

For materials that are not delivered or stored in closed aluminium bags:

Predrying:

Erkocryl:	Erkodur:
1.5 mm, 3 hrs, 90 °C	0.5 - 2.0 mm, 5 hrs, 60 °C
2.0 mm, 5 hrs, 90 °C	3.0 - 5.0 mm, 8 hrs, 60 °C
2.5 mm, 7 hrs, 90 °C	
Erkoloc-pro:	
1.0 - 5.0 mm, 48 hrs, 60 °C	



Erkoflex-color

Thickness 2 mm, order number (contents)

(temperature and heating times see foil packaging)

Colour	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)

Freestyle colours

Thickness 2 mm, order number (contents)

(temperature and heating times see foil packaging)

Colour	Ø 120 mm	125 x 125 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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Colour numbers



Thickness 4 mm, order number (contents)

(temperature and heating times see foil packaging)

Colour	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)

Freestyle colours

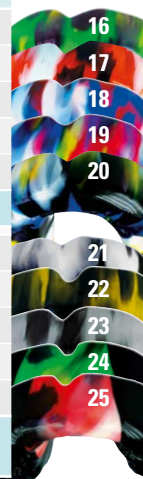
Thickness 4 mm, order number (contents)

(temperature and heating times see foil packaging)

Colour	Ø 120 mm	125 x 125 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

** 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

177 820 single-coloured (1 - 15)

177 823 four-coloured (1 - 15)

177 821 two-coloured (1 - 15)

177 824 freestyle (16 - 23)

177 822 three-coloured (1 - 15)

177 819 freestyle strip (24 + 25)

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

177 825 single-coloured (1 - 15)

177 828 four-coloured (1 - 15)

177 826 two-coloured (1 - 15)

177 829 freestyle (16 - 23)

177 827 three-coloured (1 - 15)

177 830 freestyle strip (24 + 25)

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

177 860 single-coloured (1 - 15)

177 863 four-coloured (1 - 15)

177 861 two-coloured (1 - 15)

177 864 freestyle (16 - 23)

177 862 three-coloured (1 - 15)

177 859 freestyle strip (24 + 25)

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

177 865 single-coloured (1 - 15)

177 868 four-coloured (1 - 15)

177 866 two-coloured (1 - 15)

177 869 freestyle (16 - 23)

177 867 three-coloured (1 - 15)

177 870 freestyle strip (24 + 25)



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 approx. 2 cm, afterwards thermoform.

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

Biocompatibility • allergic reactions

All thermoforming materials are tested on their biocompatibility.

They correspond to the EC Directive 93/42/EEC (medical products class 1) with changes as per 2007/47/EC and are marked CE.

Up to now (2016) there are only two suspected cases of allergic reactions to the materials known, but allergic reactions cannot be excluded.

Instructions for cleaning and maintenance

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

- Best results are achieved with **Oxydens** cleansing tablets for dental splints (280 030, Oxydens Clean-set, 280 032, 32 cleansing tablets).

Further cleaning agents: Soap, curd soap, liquid soap and dish-washers.

Do not use any strongly perfumed soaps. Not suited are: tooth-paste (contains abrasive particles), mouth-wash (can cause discolouring) and water that is hotter than 50 °C (deformation). Solvent-based cleaning agents cause delamination of multi-layered splints.

After use:

- 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/[blue](#)/[green](#)/[pink](#) all thermoforming materials can be disinfected with disinfection alcohol and other commercial liquids. Erkoloc-pro/[blue](#)/[green](#)/[pink](#) have to be stored for approx. 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.

Thermoforming material		Colour	Material characteristics
Erkocryl		clear or coloured	Stable, hard, acrylate based material. Bonds to acrylate (Resilit-S).
Erkodur Erkodur <i>freeze</i>		clear turquoise-transp.	Resistant, hard-elastic material. Burns without residues. Bonds to acrylate (Resilit-S).
Erkodur-0M1/-A1/ -A2/-A3		tooth colour	Resistant, hard-elastic material. Burns without residues. Bonds to acrylate (Resilit-S).
Erkodur-S		clear	Hard-elastic material. Burns without residues. Bonds to acrylate (Resilit-S). Bonds with heat to Erkoflex.
Erkoflex		transparent or coloured	Rubbery, tough, soft-elastic material. Can be bonded by heating or a fusing gun with Erkoflexsticks-82. Hardness Shore A: 82
Erkoflex-95		transparent	Tough, soft-elastic material. Can be adjusted by heating or a fusing gun with Erkoflexsticks-95 (not bonded). Hardness Shore A: 95
Erkoflex-bleach		transparent	Tough, soft-elastic material with good memory. Hardness Shore A: 95
Erkolen		transparent	Soft material, burns without residues, low elastic memory.
Erkolign		transparent	Extremely resistant, break-stable material. Does not bond to acrylate. Thermoform only with UZF-Plus 0.1 mm.
Erkoloc-pro <i>blu/green/pink</i>		transparent blu/green/pink	Double-layer plate hard/soft. Resistant material with high wearing comfort. Hard side bonds to acrylate (Resilit-S).
Erkoplast PLA-R		rose	Impact resistant, very rigid material, bonds by heat and with autopolymerizing resin.
Erkoplast PLA-T		transparent	Impact resistant, very rigid material. Accessory: PLA tray handle. PLA material bonds by heat and with autopolymerizing resin.
Erkoplast PLA-W		white	Impact resistant, very rigid material. Accessory: PLA tray handle. PLA material bonds by heat and with autopolymerizing resin.

Tiefziehmaterial		Colour	Material characteristics
Playsafe triple foil		transparent or coloured	Triple-layer plate soft/hard/soft.
Usig-Foil		tooth colour, opaque	Abrasion-resistant, very tough material. Glueable, bonds to acrylate.
UZF-Cast		red brown	Spacer foils (shrinkage compensation) for the casting technique.
UZF-Plus		clear with imprint	UZF-Plus can be applied by one or two layers on each Erkodent foil as spacer/ insulating foil. Also additionally (then only one layer) on spacer/insulating foils that are already applied ex works.



Insulating foil for insulating and shrinkage compensation



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