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Thermoforming EN

Thermoforming material

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, 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
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, flexible
Fluoride trays	Erkoflex, 1.5 and 2.0 mm, flexible 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 Erkolign, 2.0 mm, tough-hard Erkoloc-pro, 2.0-5.0 mm, 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
Spacer for fluoride gel	Erkolen, 1.0 mm, elastic

Application	Material recommendation
Playsafe triple	Playsafe triple, 5.5 mm, soft/hard/soft Playsafe triple light, 4.1 mm, soft/hard/soft
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 Erkolign, 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 appl., only mould	Erkolen, 0.8 and 1.0 mm, elastic
Usig friction-generating coping	Usig-foil, 0.5 mm, hard
Implantology	
Drilling-, 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 Erkolign, 1.0 mm, very tough
Orthodontics	
Aligners /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
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, 0.6-1.5 mm, hard Erkodur-al, 0.6-1.0 mm, hard Erkolign, 1.0 mm, very tough Erkoloc-pro, 1.0-2.0 mm, hard/soft
Retention plates	Erkocryl, 2.0 and 2.5 mm, hard

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* only for Erkodent units with programmable heating time

Material	mm	°C	min	* min	Order number (Contents) Ø 120 mm	Order number (Contents) 125 x 125 mm	Order number (Contents) Ø 125 mm
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)		
Erkocryl rose	2.00	195	2:30	2:20	57 22 20 (10)		
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)
	0.80	195	1:00	0:55	52 41 08 (20) • 52 46 08 (100)		52 20 08 (20) • 52 30 08 (100)
	1.00	195	1:30	1:00	52 41 10 (20) • 52 46 10 (100)		52 20 10 (20) • 52 30 10 (100)
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)
	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)
	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)
	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)
	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)
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)

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Material	mm	°C	min	* min	Order number (Contents) Ø 120 mm	Order number (Contents) 125 x 125 mm	Order number (Contents) Ø 125 mm
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 transparent, 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)
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)
	1.30	160	2:00	1:10	59 51 13 (20) • 59 54 13 (100)	59 52 13 (20)	59 55 13 (20)
	2.00	170	2:00	1:55	59 51 20 (10) • 59 54 20 (50)	59 52 20 (10)	59 55 20 (10)
	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)
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)

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

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Material	mm	°C	min	* min	Order number (Contents) Ø 120 mm	Order number (Contents) 125 x 125 mm	Order number (Contents) Ø 125 mm
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)		

Material Ø 240 mm only for Erkopress 240	mm	Order number (Contents) Ø 240 mm
Erkodur-al 240 clear, with insulating foil	0.60	52 11 06 (20)
	0.80	52 11 08 (20)
	1.00	52 11 10 (20)
Erkodur 240 clear, with insulating foil	0.50	52 95 05 (20)
	0.60	52 95 06 (20)
	0.80	52 95 08 (20)
	1.00	52 95 10 (20)
Erkoflex-bleach 240 transparent, with insulating foil	1.00	58 95 10 (20)
Erkoloc-pro 240 transparent, with insulating foil	1.00	59 95 10 (20)
	1.30	59 95 13 (20)
	2.00	59 95 20 (10)

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

Material	mm	Order number (Contents) Ø 120 mm	Ø 125 mm
UZF-Cast, spacer foil for the casting technique, red	0.10	53 11 01 (100)	53 25 01 (100)

Foil thickness (mm)

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

Cooling time (min. sec.)

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



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	2.5 - 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

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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)



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)

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)



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)

* Order numbers for Erkoflex transparent, see Erkoflex page 26

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

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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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Selection of the right material thickness

To select the right material thickness note that the thermoforming material looses 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 (2022) 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.

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Thermoforming materials		Colour	Material characteristics
Erkocryl	PMMA	*clear or coloured*	Stable, hard, acrylate based material. Bonds to acrylate autopolymerizing resin.
Erkodur-al	7 Copolyester	*clear*	Crystal-clear, viscoelastic-hard and break-resistant material with excellent dimensional stability. Aprox. 35 % softer as Erkodur.
Erkodur / Erkodur *freeze*	PETG	*clear / turquoise-transparent*	Resistant, hard-elastic material. Burns without residues. Bonds to autopolymerizing resin.
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 autopolymerizing resin. 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 autopolymerizing resin.
Erkolen	PE	*transparent*	Elastic material, burns without residues, low form memory. Does not bond to autopolymerizing resin.
Erkolign	PP	*transparent*	Extremely resistant, break-stable and tough material. Does not bond to autopolymerizing resin.
Erkoloc-pro/-*blu*/*green*/*pink*	PETG TPU	*transparent/ blu/green/pink*	Double-layer plate hard/soft. Resistant material with high wearing comfort. Hard side bonds to autopolymerizing resin.
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 autopolymerizing resin.
UZF-Cast	PS	*red*	Spacer foil (shrinkage compensation) for the casting technique.
	PE		Insulating foil for insulating and shrinkage compensation

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