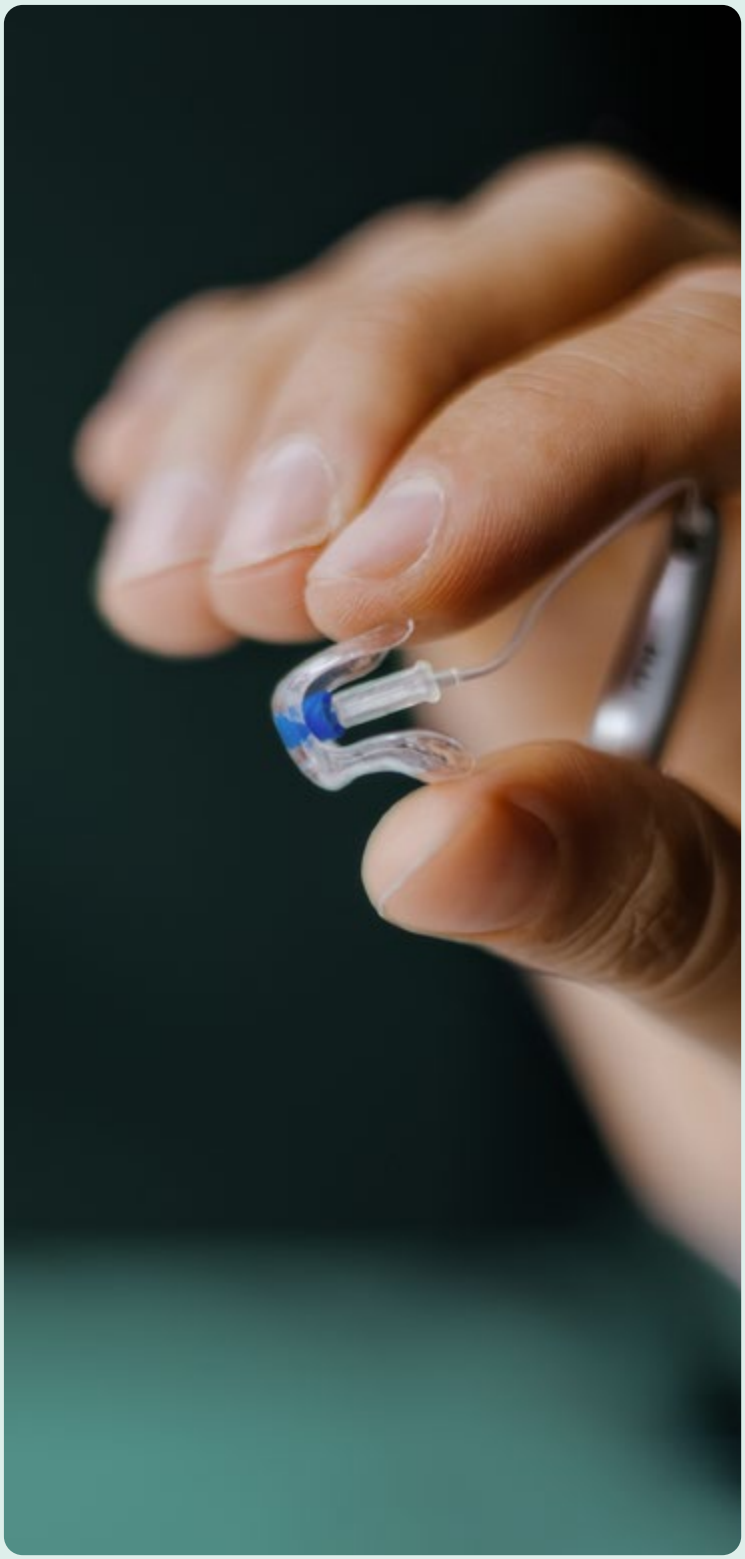
detax

Materials that matter

From impression to final in-ear application







Welcome to the world of detax

For over 70 years, we have been dedicated to developing high-quality silicones and composites for dentistry and hearing aid acoustics.
Our innovative materials empower patients to regain their quality of life and restore their smiles.

Ideas are our most important raw materials
Our passion for developing new products is our driving force – time and again, medical products from set new standards in audio and dental technology.

Quality made in Ettlingen
Not only do we constantly invest in research, but we also manufacture our products ourselves in our factory on the company premises in Ettlingen. This gives us continuous control over what is most important to us in our work: its quality.

Partnership to go
Medical products from Detax are valued in over 100 countries around the world. To ensure safe distribution, Detax works with selected partner companies in the target countries.

The best thing about us is the we
A respectful attitude towards our business partners and our staff is important to us. Friendly appreciation determines the way we treat each other and people outside the company.

Detax is growing and our teams are also expanding, which is why we welcome every application. From initial contact and onboarding to update meetings and further training: We accompany and support every employee in all phases of their working life.



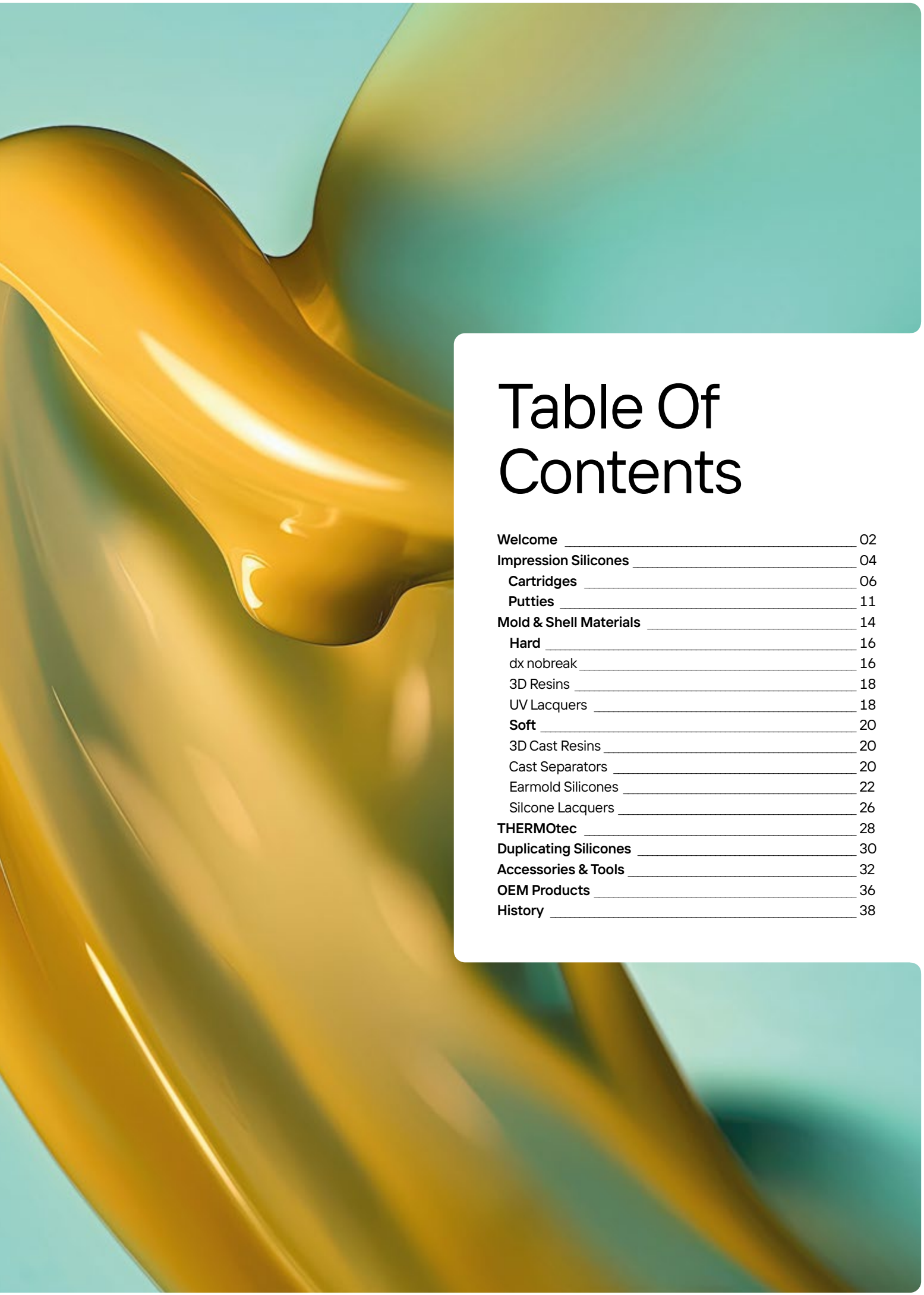


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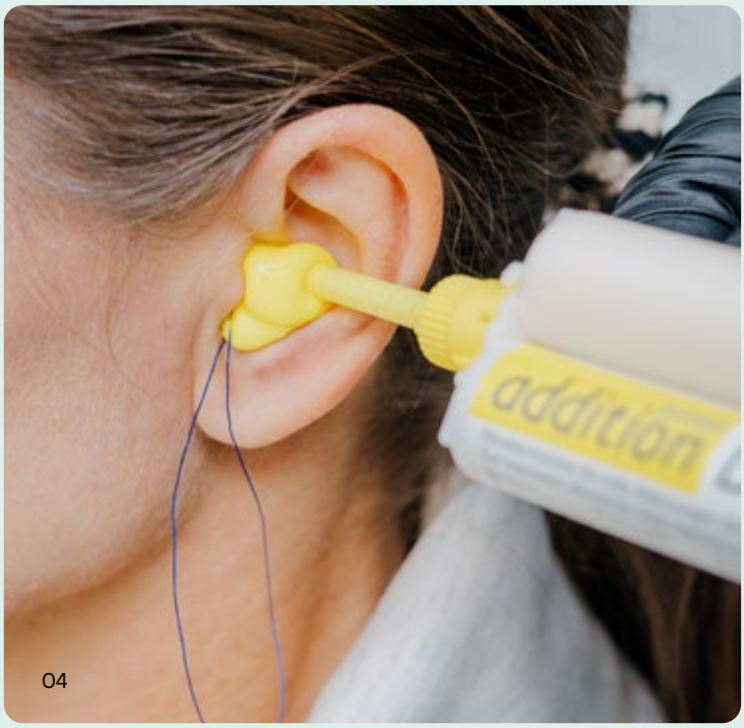
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Impression Silicones

Every ear canal is as unique as a fingerprint. Our portfolio includes tried-and-tested formulations for children, DIC solutions and kneadable impression materials.







Overview Cartridges



	addition supra®	addition ultra®	addition spectra	addition rapid	addition protect	addition mini junior	addition junior DIC	detax flextime®	pink mix
Type	Xlite	lite	lite	lite	lite	XXlite	XXlite	medium	medium
Consistency	●●○○○○	●●●○○○	●●●○○○	●●●○○○	●●●○○○	●○○○○○	●○○○○○	●●●●○○	●●●●○○
Setting characteristics*	regular	regular	fast	ultra fast	super fast	super fast	super fast	fast	fast
Time in the ear/Total set* (min)	3:00/3:30	3:00/3:30	2:30/3:00	1:30/2:00	1:55/2:25	2:00/2:30	2:00/2:30	2:30/3:00	2:30/3:00
Final hardness	35 Shore A	37 Shore A	39 Shore A	30 Shore A	38 Shore A	25 Shore A	25 Shore A	35 Shore A	38 Shore A
Product features	narrow earcanal ITE CIC Kids	universal premium	universal ITE CIC Kids	colour change ultra fast	noise protection medium sealing super fast	CIC DIC Kids narrow earcanal minimix	CIC DIC Kids narrow earcanal	thermo-controlled	medium consistency high sealing

Qualification ○○○○○○ low ●●●●●● high

Overview Putties



	detax addition	green eco	pink putty	detax flextime®	addition futur	classic futur
	A-Silicones					C-Silicone
Type	supersoft	medium	soft	soft	soft	medium
Consistency	●○○○○○	●●●●○○	●●○○○○	●●○○○○	●●●○○○	●●●○○○
Working time*	2:00	2:00	1:30	2:00	1:30	1:30
Time in the ear*	3:00	3:00	2:30	2:00	3:30	4:30
Final hardness**	30 Shore A	40 Shore A	35 Shore A	30 Shore A	25 Shore A	25 Shore A
Product features	supersoft putty, premium quality, max. detail	green/yellow, lemon scent, snap set effect	creamy initial consistency, universal, cost-effective	thermo-controlled, wildberry scent	max. softness, lemon scent, cost-effective	C-silicone, supple consistency

Qualification ○○○○○○ low ●●●●●● high

* Increased temperatures accelerate, decreased temperatures retard setting time. ** Shore A: Final degree of hardness after 1 h

Explore our **full silicone portfolio**

addition rapid



24 months

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General-purpose ear impression silicone with color change for visual setting check. Once the color has changed from blue into white, the curing process iscompletely finished and the impression can be removed. Thixotropic, maximumdetail reproduction and tear resistance. Patient-friendly due to extra short time in the ear, easy to remove. A-silicone, biocompatible, medium consistency. Time in the ear: 1:30 min.

Color: white

Final hardness: 30 Shore A

Medical Product: Class IIa

REF	Product	Unit
04729	Cartridge packing Automix1	8 × 50 ml base + catalyst
04243	Cartridge packing Automix2	8 × 50 ml base + catalyst
04257	Cartridge bag Automix2	25 × 50 ml base + catalyst





addition ultra

General-purpose impression material, premium quality, soft-smooth initial consistency, thixotropic, does not drip. Excellent detail reproduction, tensile resistant with high elastic recovery. Long-term dimensional stability, scanable, easy processing, skin-friendly & biocompatible. A-silicone, medium viscosity, time in the ear: 3:00 min.



Color: light blue

Final hardness: 37 Shore A

Medical Product: Class IIa

REF	Product	Unit
02082	Cartridge packing Automix1	8 × 50 ml base + catalyst
02523	Cartridge packing Automix2	8 × 50 ml base + catalyst

addition supra

CIC impression material, light bodied initial consistency, thixotropic. Particularly for CIC adaptions, narrow auditory canals, e.g. for children or pain sensitive patients. Easy to remove, highest elastic recovery, very tear resistant, long-term dimensional stability, biocompatible. A-silicone, low viscosity, time in the ear: 3:00 min.



Color: pink

Final hardness: 35 Shore A

Medical Product: Class IIa

REF	Product	Unit
02305	Cartridge packing Automix1	8 × 50 ml base + catalyst
03739	Cartridge packing Automix2	8 × 50 ml base + catalyst

addition spectra

Precision impression material, light, softcreamy consistency. Pressureless impression taking, with ultimative detail reproduction. Extra low extrusion strength, does not drip from the ear. Easy removal and processing. Patientfriendly & biocompatible. A-silicone, low viscosity, time in the ear 2:30 min.

Color: liliac

Final hardness: 39 Shore A

Medical Product: Class IIa

REF	Product	Unit
03203	Cartridge packing Automix1	8 × 50 ml base + catalyst
03282	Cartridge packing Automix2	8 × 50 ml base + catalyst



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addition protect

Impression silicone particularly for the adaption of noise protection. Fast and effective, ideal for multiple impression taking. Ultimate precision, great cost/performance ratio. Extra short setting time and minimized physical effort due to reduced extrusion pressure. Creamy consistency, thixotropic, does not drip from the ear. Maximum elastic recovery (99.8 %), tear resistant, dimensional stable. Easy removal and further processing. A-silicone, low viscosity, time in the ear just 1:55 min.

Color: turquoise

Final hardness: 38 Shore A

Medical Product: Class IIa

REF	Product	Unit
03442	Cartridge packing Automix2	8 × 50 ml base + catalyst
03443	Cartridge box Automix2	50 × 50 ml base + catalyst



36 months

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addition mini junior

Precision ear impression silicone for children and teenagers (also suitable for small / narrow auditory canals). Low viscous, smooth consistency. No pressure build-up, no displacement of soft tissue. The material is stable due to its high thixotropy, no unwanted run-off! The child material is non-sticky and easy to remove. Extremely tear resistant, highest elastic recovery from deformation (99.8 %), dimensionally stable. Extra short time in the ear (2 min.!). Handy minimix cartridges, easy to use. A-silicone, low viscosity.



36 months

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Color: yellow

Final hardness: 25 Shore A

Medical Product: Class IIa

REF	Product	Unit
03439	Standard packing minimix	4 × 10 ml base + catalyst 8 × mixing cannulas minimix 1 × piston, reusable
03440	Refill packing minimix	8 × 10 ml base + catalyst

Explore the benefits of **addition mini**

addition junior DIC

Ear impression silicone, extra light bodied initial consistency, for entirely pressure-free impression taking. Particularly for children and DIC adaptions (deep impressions). Optimized flow properties, easy to extrude and exceptionally thixotropic. Highest tear resistance and accuracy of the impression. Patient-friendly removal due to low final hardness. A-silicone, biocompatible, low viscous, time in the ear: 2:00 min.



36 months

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Color: yellow

Final hardness: 25 Shore A

Medical Product: Class IIa

REF	Product	Unit
04159	Standard packing Automix2	2 × 50 ml base + catalyst 4 × mixing cannulas yellow
04160	Refill packing Automix2	4 × 50 ml base + catalyst

detax flextime

Thermocontrolled impression silicone with "snap set effect". Low extrusion strength, thixotropic. Easy removal and processing, high elastic recovery, tear resistant, lasting dimensional stability. Patient-friendly & biocompatible. A-silicone, low viscosity, time in the ear: 2:30 min.

Color: violet

Final hardness: 35 Shore A

Medical Product: Class IIa



REF	Product	Unit
02330	Cartridge packing Automix1	8 × 50 ml base + catalyst

pink mix

General-purpose impression silicone, medium initial consistency for intensified sealing. Thixotropic, does not drip from the ear. Fast set, easy to remove. Excellent cost/performance ratio. High detail reproduction and tear resistance, well retaining its shape and volume. A-silicone, biocompatible, medium viscosity, time in the ear: 2:30 min.

Color: pink

Final hardness: 38 Shore A

Medical Product: Class IIa



REF	Product	Unit
03913	Cartridge packing Automix2	8 × 50 ml base + catalyst

detax addition

Putty, extremely soft and smooth initial consistency, premium quality.
Excellent detail reproduction, lasting dimensional stability, highest precision.
Easy to remove. A-silicone, biocompatible, time in the ear: 3:00 min.

Color: light blue

Final hardness: 30 Shore A

Medical Product: Class IIa

REF	Product	Unit
02381	Standard packing	2 × 250 ml base + catalyst 2 measuring scoops
02717	Large packing	2 × 670 ml base + catalyst 2 measuring scoops
02271	Mega packing	2 × 5000 ml base + catalyst 2 measuring scoops



36 months

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green eco

Putty – medium consistency. High elastic recovery due to an innovative polymer, exceptional tear strength, lasting dimensional stability. Pressure build up: slightly, with "snap set effect" (controlled vulcanisation kinetics in the ear). A-silicone, biocompatible, time in the ear: 3:00 min., scent: lemon.

Color: lime green

Final hardness: 40 Shore A

Medical Product: Class IIa

REF	Product	Unit
02487	Standard packing	2 × 800 g base + catalyst 2 measuring scoops
02703	Bulk pack	2 × 25 kg base + catalyst



36 months

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CE 0483

pink putty



24 months

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CE 0483

General-purpose putty, soft creamy initial consistency, easy mixing and removal, fast set. Excellent cost / performance ratio, highest detail reproduction.
Well retaining its shape and volume; skin-friendly & biocompatible. A-silicone, biocompatible, time in the ear: 2:30 min., scent: melon.

Color: pink

Final hardness: 35 Shore A

Medical Product: Class IIa

REF	Product	Unit
03510	Standard packing	2 × 500 ml base + catalyst 2 measuring scoops
03511	Standard packing	2 × 1000 ml base + catalyst 2 measuring scoops

detax flextime



36 months

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Putty, innovative soft-consistency, thermocontrolled vulcanisation characteristics, lasting dimensional stability. Bubble-free casting, right after impression taking.
A-silicone, biocompatible, time in the ear: 2:00 min., scent: wildberry.

Color: violet

Final hardness: 30 Shore A

Medical Product: Class IIa

REF	Product	Unit
02300	Standard packing	2 × 250 ml base + catalyst 2 measuring scoops

addition futur

Addition curing ear impression material, excellent cost / performance ratio. Maximum softness & homogeneity, pressure-forming, non-sticky. High detail reproduction, tear- and tensile strength, dimensionally stable. Easy removal and mixing: mixing ratio 1:1 optimum mixing control by contrast colours. A-silicone, biocompatible, time in the ear: 3:30 min., scent: lemon.

Color: violet

Final hardness: 25 Shore A

Medical Product: Class IIa

REF	Product	Unit
04019	Standard packing	2 × 250 ml base + catalyst 2 measuring scoops



classic futur

Condensation curing ear impression material, smooth, non-sticky initial consistency, pressure-forming. Excellent detail reproduction, with reduced shrinkage. Easy to remove, high tear- and tensile strength. Refill available, C-silicone, scent: lemon. **cat futur:** Quality catalyst for C-silicones like classic futur, blue colored for exact measuring and mixing control.

Color: violet

Final hardness: 25 Shore A

Medical Product: Class IIa

REF	Product	Unit
02380	Standard packing	500 ml jar of base 23 ml tube of catalyst paste 1 measuring scoop
02644	Refill pack for jar	500 ml foilbag of base
02382	cat futur	23 ml tube of catalyst paste
02093	Bulk pack	25 kg container of base 39 × 23 ml tubes of catalyst paste



Mold & Shell Materials

Our earmold & shell materials: from soft silicones to state-of-the-art 3D resins, proven and skin-friendly.







3D resins by detax











	dx nobreak	dx mould	dx shell	dx rapid cast 2.0	dx cast 2.0
Application	Earmolds, hearing protection, ITE shells, In-Ear-Monitoring, RIC earmolds, foil earmolds	Earmolds, hearing protection, ITE shells, In-Ear-Monitoring	ITE shells, foil earmolds, In-Ear-Monitoring	Cast process for silicone earmolds	Cast process for silicone & PU earmolds
Medical Device Class (MDR)	IIa	IIa	IIa	TEC resin	TEC resin
Validated Printers	**Asiga** Max/Mini, Max 2, Ultra, PRO 4K **Rapid Shape** PRO 20, HA20, HA30	**Asiga** Max/Mini, Max 2, Ultra, Pico 2, PRO2, PRO 4K **Rapid Shape** PRO 20, HA20, HA30, HA40, HA90 **Microlay** Versus **MiiCraft** Prime, Hyper, Ultra Series, Alpha **W2P** Solflex	**Asiga** Max/Mini, Max 2, Ultra, Pico 2, PRO2, PRO 4K **Rapid Shape** PRO 20, HA20, HA30, HA40, HA90 **Microlay** Versus **MiiCraft** Prime, Hyper, Ultra Series, Alpha **W2P** Solflex	**Asiga** Max/Mini, Max 2, Ultra, PRO 4K **Rapid Shape** PRO 20, HA20, HA30, HA40	**Asiga** Max/Mini, Max 2, Ultra, Pico 2, PRO2, PRO 4K **Rapid Shape** PRO 20, HA20, HA30, HA40, HA90 **Microlay** Versus **MiiCraft** Prime, Hyper, Ultra Series, Alpha **W2P** Solflex
Validated Curing Devices	**NK Optik** Otoflash G171 N2, NK Flash 150/250 **Rapid Shape** RS cure (XL) **Dreve** PCU LED N2	**NK Optik** Otoflash G171 N2, NK Flash 150/250 **Rapid Shape** RS cure (XL)	**NK Optik** Otoflash G171 N2, NK Flash 150/250 **Rapid Shape** RS cure (XL) **Dreve** PCU LED N2	**NK Optik** Otoflash G171 N2	**NK Optik** Otoflash G171 N2, NK Flash 150/250 **Rapid Shape** RS cure (XL) **Phrozen** Cure **Formlabs** Form Cure **Dreve** PCU LED N2

Overview Earmold Silicones











	detax softwear 2.0	earflex	bioplast	bioflex	aquaplus	direct mold
Consistency	●●○○○○	●●○○○○	●●●○○○	●●○○○○	●●●○○○	●●●○○○
Processing/ Setting time (min./ca.)	2:30 min/15 min.	3:30 min/30 min.	1:30 min/ 5 or 20 min.	3:30 min/30 min.	1:00 min/ 5 or 15 min.	1:30 min/5 min.
Process	indirect	indirect	direct or indirect	indirect	direct or indirect	direct
Final hardness	40/60 Shore A	25/40/60 Shore A	40/60 Shore A	40 Shore A	25 Shore A	60 Shore A
Product features	filling of 3D casts	serial production, low extrusion pressure	multi-purpose use, medium viscous	hearing protection, serial production, filling of 3D casts	floatable, long term stable	direct fitting, short setting time

Qualification ○○○○○○ low ●●●●●● high

* Shore A: Final degree of hardness after 1 h

A game-changer in printed in-ear applications

dx nobreak covers the full range – from earmolds and hearing protection to ITE shells and In-Ear Monitoring.



Max. impact strength

As the name says: dx nobreak doesn't crack under pressure. Outstanding break resistance for maximum safety and durability.

Min. wall thickness

With ultra-thin printability, dx nobreak creates space for more technology – even in the tightest ear canals. Perfect for innovative, discret solutions.

Esthetic variety

A color palette to match every taste – 19 brilliant colors and a premium surface finish with dx coat for glossy elegance.







3D **Medicalprint®** Material

dx nobreak

REF	Product	Unit
04560	clear	1000 g
04703	clear	5000 g
04571	rose	1000 g
04704	rose	5000 g
04572	rose-orange	1000 g
04565	light beige	1000 g
04568	neon yellow	1000 g
04631	orange-transparent	1000 g
04570	red-transparent	1000 g
04569	purple	1000 g
04558	blue-transparent	1000 g
04564	green-opaque	1000 g
04573	skin	1000 g
04556	beige	1000 g
04559	brown	1000 g
04567	medium brown	1000 g
04562	dark brown	1000 g
04574	white	1000 g
04566	light grey	1000 g
04563	dark grey	1000 g
04557	black	1000 g

3D **Medicalprint®** Material

dx coat

Special coat for dx nobreak. The light-curing, single-component lacquer for permanent surface sealing of dx nobreak earmolds is transparent, biocompatible and creates a high-gloss, easy-to-clean surface.

REF	Product	Unit
04632	Aluminium bottle	40 ml
04561	Aluminium bottle	100 ml
04633	Aluminium bottle	300 ml



3D **Medicalprint**® Material

dx mould

3D resin for printing earmolds, hearing protection, ITE shells and In-Ear-Monitoring. High construction precision and surface hardness. Brilliant transparency immediately after printing. Good mechanical bending strength and fracture resistance. No drying process required, long-term color stability. Biocompatible.

Colors:
brilliant clear, rose, rose-orange

Wavelength:
385 nm

Medical Product:
Class IIa

REF	Product	Unit
04224	clear 2.0	1000 g
03316	clear 2.0	5000 g
02449	rose 2.0	1000 g
03314	rose 2.0	5000 g
02904	rose-orange 2.0	1000 g



36 months

detax MDR CERTIFIED

CE 0483

Premium
MMA free
THF-MA free
Formula

luxaprint shellac

UV-curing one-component lacquer. Ideal for permanently sealing 3D printed earmolds made of (meth)acrylate. Creates a glossy, scratch-resistant, and easy-to-clean surface. The hydrophobic finish provides additional protection against dirt and cerumen adhesion. Biocompatible, with anti-yellowing protection. For a brilliant finish without mechanical repolishing.

Color:
transparent

Medical Product:
Class IIa

REF	Product	Unit
04006	Aluminium bottle	50 ml
03594	Aluminium bottle	100 ml
03595	Aluminium bottle	300 ml



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3D **Medicalprint**® Material

dx shell



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Premium MMA free THF-MA free Formula

3D resin for printing ITE shell, foil earmolds, In-Ear-Monitoring. Very high construction precision and surface hardness, maximum mechanical bending strength and fracture resistance. No drying process required, high color brilliance, long-term color stability. Biocompatible.

Colors:
beige, skin, black, white, opaque blue, opaque red

Wavelength:
385 nm

Medical Product:
Class IIa

REF	Product	Unit
03016	beige 2.0	1000 g
03043	black*	1000 g
04164	blue-opaque*	1000 g
04165	red-opaque*	1000 g

* not THF-MA free

luxaprint shellac color



24 months

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CE 0483

UV-curing one-component lacquer for colored sealing of 3D printed earmolds made of (meth)acrylate. Transparent earmolds can be sealed and permanently colored at the same time. Easy to apply (dip / brush). Creates a homogeneous, scratch-resistant, easy-to-clean surface and reduces cerumen adhesion. All colors can be mixed individually. High gloss, long-term color stability, biocompatible.

Medical Product:
Class IIa

Colors:

blue, red, yellow, orange, green, violet, brown, black

REF	Product	Unit
03701/03683	blue	50 ml/100 ml
03700/03682	red	50 ml/100 ml
03702/03684	yellow	50 ml/100 ml
03703/03685	orange	50 ml/100 ml
03705/03687	green	50 ml/100 ml
03704/03686	violet	50 ml/100 ml
03995/03994	brown	50 ml/100 ml
03857/03856	black	50 ml/100 ml

dx rapid cast 2.0

UV curing resin for printing of cast forms → manufacturing of silicone earmolds. With dx rapid cast 2.0, we focus on the most important tool for audio technicians — their own hands. While silicone earmolds often still need to be removed from the molds using tools, the new dx rapid cast 2.0 molds are simply placed in a water bath for a short time, and the earmold can then be easily removed by hand.

Color: blue-transparent

Wavelength: 385 nm

Technical Product

REF	Product	Unit
04740	blue-transparent	1000 g



24 months

TEC

Cast Separator 2.0

Ready-to-use release agent for separating 3D printed cast forms (methacrylate-based, e. g. dx cast 2.0) against A-silicones (e. g. detax softwear 2.0, earflex). Prevents sticking of the silicone blank to the cast form and enables easy removal

Color: transparent

Technical Product

REF	Product	Unit
03636	Aluminium bottle	500 ml



24 months

TEC

BPA free

Premium
MMA free
THF-MA free
Formula

dx cast 2.0

UV curing resin for printing of cast forms → manufacturing of silicone and THERMOtec earmolds. The green-transparent material offers visual control of the filling process (prevention of air bubbles) with liquid VPS silicone. Optimum process safety: high construction precision with minimum wall thickness and maximum building speed. Markedly lower viscosity → reduced loss of material, easier cleaning, short printing times. Effortless removal of the silicone blank.

Color: green-transparent

Wavelength: 385 nm

Technical Product

REF	Product	Unit
03918	green-transparent	1000 g
03327	green-transparent	5000 g



36 months

TEC

Cast Separator PU 2.0

Ready-to-use release agent for separating 3D printed cast forms (methacrylate-based, e. g. dx cast 2.0) against polyurethane (e. g. THERMOtec). Prevents sticking of the PU-blank to the cast form and enables easy removal.

Color: transparent

Technical Product

REF	Product	Unit
02806	Aluminium bottle	500 ml



24 months

TEC

BPA free

Premium
MMA free
THF-MA free
Formula

Explore our **full 3D portfolio**

detax softwear 2.0

Permanently elastic earmold silicone for indirect fabrication of soft BTE molds & protectors, particularly for 3D cast technique. Bubble-free filling, low extrusion strength, excellent flow properties. Effortless removal of the silicone blank. Long-term wearing comfort due to soft flexible fitting, skin-friendly & biocompatible. Working time approx. 2:30 min.

Final hardness: 40/60 Shore A

Medical Product: Class IIa

Cartridge system: Automix2

REF	Product	Unit
40 Shore A		
04230	clear transparent	8 × 50 ml base + catalyst
04231	rose transparent	8 × 50 ml base + catalyst
04232	red opaque	2 × 50 ml base + catalyst
04233	blue opaque	2 × 50 ml base + catalyst
04235	green opaque	2 × 50 ml base + catalyst
04234	yellow fluorescent	2 × 50 ml base + catalyst
04236	pink fluorescent	2 × 50 ml base + catalyst
04229	night glow	2 × 50 ml base + catalyst
60 Shore A		
03906	clear transparent	8 × 50 ml base + catalyst
03911	rose transparent	8 × 50 ml base + catalyst
04242	red opaque	2 × 50 ml base + catalyst
04238	blue opaque	2 × 50 ml base + catalyst
04240	green opaque	2 × 50 ml base + catalyst
04239	yellow fluorescent	2 × 50 ml base + catalyst
04241	pink fluorescent	2 × 50 ml base + catalyst
04237	night glow	2 × 50 ml base + catalyst



24 months

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Colors:

clear transparent

rose transparent

red opaque

blue opaque

green opaque

yellow fluorescent

pink fluorescent

night glow

earflex

Earmold silicone for the fabrication of soft BTE earmold & protectors. Easy processing, tear resistant, permanently elastic. Long-term wearing comfort due to soft flexible fitting, long-term stable, skin friendly. Extended working time (3:30 min.) for serial production in the lab.

Final hardness: 25/40/60 Shore A

Medical Product: Class IIa

Cartridge system: Automix1



24 months

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CE 0483

Colors:

clear, rose, blue, red, yellow, green, orange, black, white, beige

REF	Product	Unit
25 Shore A		
03794	clear	8 × 50 ml base + catalyst
03483	rose	8 × 50 ml base + catalyst
03888	blue	8 × 50 ml base + catalyst
03889	red	8 × 50 ml base + catalyst
03890	yellow	8 × 50 ml base + catalyst
03942	green	8 × 50 ml base + catalyst
03891	orange	8 × 50 ml base + catalyst
03892	black	8 × 50 ml base + catalyst
03893	white	8 × 50 ml base + catalyst
40 Shore A		
02991	rainbow	8 × 50 ml base + catalyst assorted: 1 × blue, 1 × red, 1 × orange, 1 × yellow, 1 × green, 1 × black, 1 × white, 1 × beige, 32 × mixing cannulas optima
03192	clear	8 × 50 ml base + catalyst
03216	rose	8 × 50 ml base + catalyst
03692	blue	8 × 50 ml base + catalyst
03690	red	8 × 50 ml base + catalyst
03691	yellow	8 × 50 ml base + catalyst
03693	green	8 × 50 ml base + catalyst
03723	orange	8 × 50 ml base + catalyst
03724	black	8 × 50 ml base + catalyst
03726	white	8 × 50 ml base + catalyst
03725	beige	8 × 50 ml base + catalyst
60 Shore A		
03193	clear	8 × 50 ml base + catalyst
03217	rose	8 × 50 ml base + catalyst

bioplast

Earmold silicone for the fabrication of soft-flexible BTE earmolds and protectors, multipurpose use. Highest wearing comfort. Extremely tear resistant, long-term durable and excellent processing. Skin-friendly & biocompatible. A-silicone, medium bodied.

Final hardness: 40/60 Shore A

Medical Product: Class IIa

Cartridge system: Automix1

REF	Product	Unit
02081	Cartridge packing 40 rose	8 × 50 ml base + catalyst
02427	Cartridge packing 60 rose	8 × 50 ml base + catalyst



36 months

detax MDR CERTIFIED

CE 0483

Color:

rose

bioflex

Permanently elastic silicone for indirect fabrication of hearing and splash water protection. For use in conventional or generative manufacturing (e.g. 3D cast technique). Good flow properties, precise detail reproduction, tear resistant, easy processing. High wearing comfort due to soft-flexible fitting. Skin-friendly & biocompatible. A-silicone, light bodied, working time approx. 3:30 min.

Final hardness: 40 Shore A

Technical Product

Cartridge system: Automix1

REF	Product	Unit
04169	Cartridge packing clear	4 × 50 ml base + catalyst
04167	Cartridge packing rose	4 × 50 ml base + catalyst
04166	Cartridge packing blue	4 × 50 ml base + catalyst
04168	Cartridge packing red	4 × 50 ml base + catalyst



24 months

TEC

Colors:

clear rose blue

red

aquaplus colormix

Floatable special silicone in double cartridges for the fabrication of swim plugs both in the lab and via direct fitting. Also suitable for direct fitting. Soft initial consistency, easy processing. Aqua protectors made of aquaplus are highly elastic, extremely tensile resistant and long-term durable; skin-friendly & biocompatible. A-silicone, medium bodied.

Final hardness: 35 Shore A

Technical Product

Cartridge system: Automix1

REF	Product	Unit
03205	Standard packing colormix	8 × 50 ml base + catalyst, assorted: 2 × blue, 2 × red, 2 × orange, 1 × yellow, 1 × green, 32 × mixing cannulas optima
02423	Cartridge packing classic	8 × 50 ml base + catalyst assorted: 4 × blue, 4 × red
02451	Cartridge packing red	8 × 50 ml base + catalyst
02452	Cartridge packing blue	8 × 50 ml base + catalyst
03354	Cartridge packing orange	8 × 50 ml base + catalyst
03350	Cartridge packing green	8 × 50 ml base + catalyst
03349	Cartridge packing yellow	8 × 50 ml base + catalyst



24 months

TEC

Colors:

red, blue, orange, green, yellow

direct mold

Permanently elastic silicone for direct fitting of individual hearing protection. High final hardness, easy processing, short vulcanisation time, long-term durable, skin-friendly & biocompatible. A-silicone, medium bodied.

Final hardness: 60 Shore A

Technical Product

Cartridge system: Automix1

REF	Product	Unit
02687	Cartridge packing	8 × 50 ml base + catalyst



36 months

TEC

Color:

rose

Explore our **earmold silicones**

Overview Silicone Lacquers



	softwear coat	frosty coat	super coat	dip coat	express coat	impression lacquer	micropor lacquer
Consistency/ Characteristics	one component lacquer, cold & heat curing, dipping, coating	one component lacquer, cold & heat curing, dipping, coating	one component lacquer, cold & heat curing, dipping, coating	one component lacquer, air-drying, dipping	one component lacquer, cold curing, dipping, coating	one component lacquer, cold curing, dipping, coating	one component lacquer, heat curing, dipping, coating
Drying time*	at room temperature: overnight, at 80 °C/176 °F: 20 min.	at room temperature: 12 hours, at 100 °C/212 °F: 15 min.	at room temperature: overnight, at 80 °C/176 °F: 20 min.	at room temperature: 10 min.**	at room temperature: 8 min.**	at room temperature: 20 min.**	at 100 °C/212 °F: 15 min.
Features/ recommended for	high gloss, 3D cast technique	satin-matte surface	high gloss, with silver particles	especially for dipping, high gloss	fast drying, high gloss	A-and C-silicones, ear impressions	A-and C-silicones, earmolds

* Drying times are generally depending on room temperature/humidity and substrate (kind of silicone) ** Drying times for tack free surfaces

softwear coat

One-component silicone lacquer for equalizing generative manufactured silicone earmolds. Excellent adhesion and surface quality, toluene-free. High gloss, transparent. Medical device Class IIa.



REF	Product	Unit
03509	Aluminium bottle	500 ml

frosty coat

Satin-finished one-component lacquer for silicone earmolds. Soft feel-haptics, for easy insertion of the earmold. Suitable for all kinds of silicones, also for one-component heat curing silicones, toluene-free. Silky-matte, transparent. Medical device Class IIa.



REF	Product	Unit
03284	Aluminium bottle	100 ml

Explore our **Mold & Shell Materials**

super coat

Sealing lacquer with silver particles for all kinds of silicone based earmolds.
Very good adhesion, toluene-free. High gloss, transparent, Medical device Class IIa.

REF	Product	Unit
02949	Aluminium bottle	100 ml
02950	Aluminium bottle	300 ml



dip coat

Dipping lacquer for silicone earmolds, no skin formation in the dipping bath.
Very good adhesion, toluene-free. High gloss, transparent. Medical device Class IIa.

REF	Product	Unit
03014	Aluminium bottle	100 ml
03015	Aluminium bottle	250 ml



express coat

Fast-drying one-component lacquer for all silicone based earmolds. Wiping-proof after 8 min., toluene-free. High gloss, transparent. Medical device Class IIa

REF	Product	Unit
03012	Aluminium bottle	100 ml



impression lacquer

One-component lacquer for universal finish of all silicone ear impressions (A + C-silicones).
Good adhesion, toluene-free, High gloss, transparent. Medical device Class IIa.

REF	Product	Unit
02493	Aluminium bottle	250 ml
02165	Aluminium bottle	1000 ml



micropor lacquer

One-component lacquer for silicone based earmolds and impressions (incl. heat-curing silicones). Heat curing (in circulating air oven at 100 °C / 212° F within approx. 15 min.). Excellent adhesion, toluene-free, high gloss. Medical device Class IIa.

REF	Product	Unit
02169	Aluminium bottle	250 ml



THERMOtec

Hard outside the ear – soft in the ear: THERMOtec, Detax's thermoflexible material for earmolds, offers unique wearing comfort.



Key Benefits

- Thermoflexible premium material
- Gently softens due to body temperature
- Ensuring a perfect, pressure-free fit
- Firm for easy insertion
- Skin-friendly & moisture-wicking
- Long-lasting elasticity & high tear resistance
- Excellent sealing properties
- Silky, matte surface
- UV-resistant – no discoloration



THERMOtec Separator

NEW

Ready-to-use release agent for separating printed cast forms (methacrylate-based, e. g. dx cast 2.0) against THERMOtec (polyurethane). Prevents sticking of the PU-blank to the cast form and enables easy removal.







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Duplicating Silicones/ Accessories







duglasil tec

Duplicating silicone for the production of tear-resistant negative forms. Especially suitable for the manufacturing process of THERMOtec earmolds or for light curing materials. Thanks to its light bodied consistency, it can be mixed easily and delivers excellent results. The slight transparency allows visual control.

Color: green-transparent

Final hardness: 18 Shore A

Technical Product

REF	Product	Unit
04583	bottles	2 × 1000 ml
04584	canisters	2 × 5000 ml



24 months

TEC

duglasil express

Crystal-clear transparent casting silicone for the fabrication of highly transparent negative forms, especially suitable for UV-curing, transparent for UVA-light. Lasting dimensional stability, A-silicone, light bodied. In Automix cartridges, fast setting, approx. 5 minutes.

Color: clear-transparent

Final hardness: 7 Shore A

Technical Product

REF	Product	Unit
02613	3-Pack	3 × 50 ml base + catalyst 6 × mixing cannulas 6 mm



36 months

TEC

Explore our **accessories**

automix2

	REF	Product	Unit
	04192	Mixing gun for standard cartridges 1:1	1 pc.
	03617	Mixing gun for standard cartridges „T“	1 pc.
	02767	Mixing gun for standard cartridges 10:1	1 pc.
	02770/ 02969	Mixing cannulas, pink	25 pcs./100 pcs.
	04190	Mixing cannulas, yellow	25 pcs.
	02774	Mixing cannulas, green	25 pcs.
	04193/03969	T-Mixer, pink	25 pcs./100 pcs.
	04194	T-Mixer, yellow	25 pcs.
	04195	T-Mixer, green	25 pcs.

automix1

	REF	Product	Unit
	02083	Mixing gun for standard cartridges 1:1	1 pc.
	03187	Mixing cannulas optima, 6 mm	50 pcs.
	03188	Mixing cannulas optima, 6 mm	100 pcs.
	02123	Mixing cannulas, 6 mm	50 pcs.
	02393	Mixing cannulas, 6 mm	100 pcs.
	02047	Mixing cannulas, 9 mm	50 pcs.
	02186	Mixing cannulas, 9 mm	100 pcs.

automix mini

	REF	Product	Unit
	03447	Mixing gun mini for minimix cartridges 10 ml, 1:1	1 pc.
	03446	Mixing cannulas minimix, green 1:1	25 pcs.

vario mix

Universal mixing gun for standard cartridges, Automix1 and Automix2 (S50) cartridge systems. Only one dispensing device for all mixing ratios (1:1, 2:1, 4:1, 10:1)! Easy handling, breeches and plungers can readily be exchanged or cleaned (sterilisable) as required. Included: 3 breeches, 4 plungers, flowchart.

	REF	Product	Unit
	03209	Universal mixing gun 1:1, 2:1, 4:1, 10:1	Set

easy syringe

Double piston impression syringe for continuous injection of silicone impression materials, multipurpose use. Constant material flow, low extrusion pressure. Spare cylinder can be ordered separately. Medical device Class I.
easy: For standard adaptions, opening 3.5 mm, external diameter 6 mm, color: blue
easy2: For CIC adaptions, narrow auditory canals, children. Smaller opening 2.5 mm, external diameter 4.5 mm, color: pink

Colors:
blue, pink

Medical Product:
Class I

	REF	Product	Unit
	02140	easy blue	1 pc.
	02492	spare cylinder easy, transparent	1 pc.
	03503	easy 2 pink	1 pc.
	03189	spare cylinder easy2, transparent	1 pc.

impression pads secure

Colored impression plugs, made of flexible foam with safety thread. In contrast colour: the blue pads, with significantly improved visibility for visual control, ensure a reliable fitting and optimum sealing of the auditory canal. Cone form: Ø approx. 11 mm, length 13 mm

Color: blue

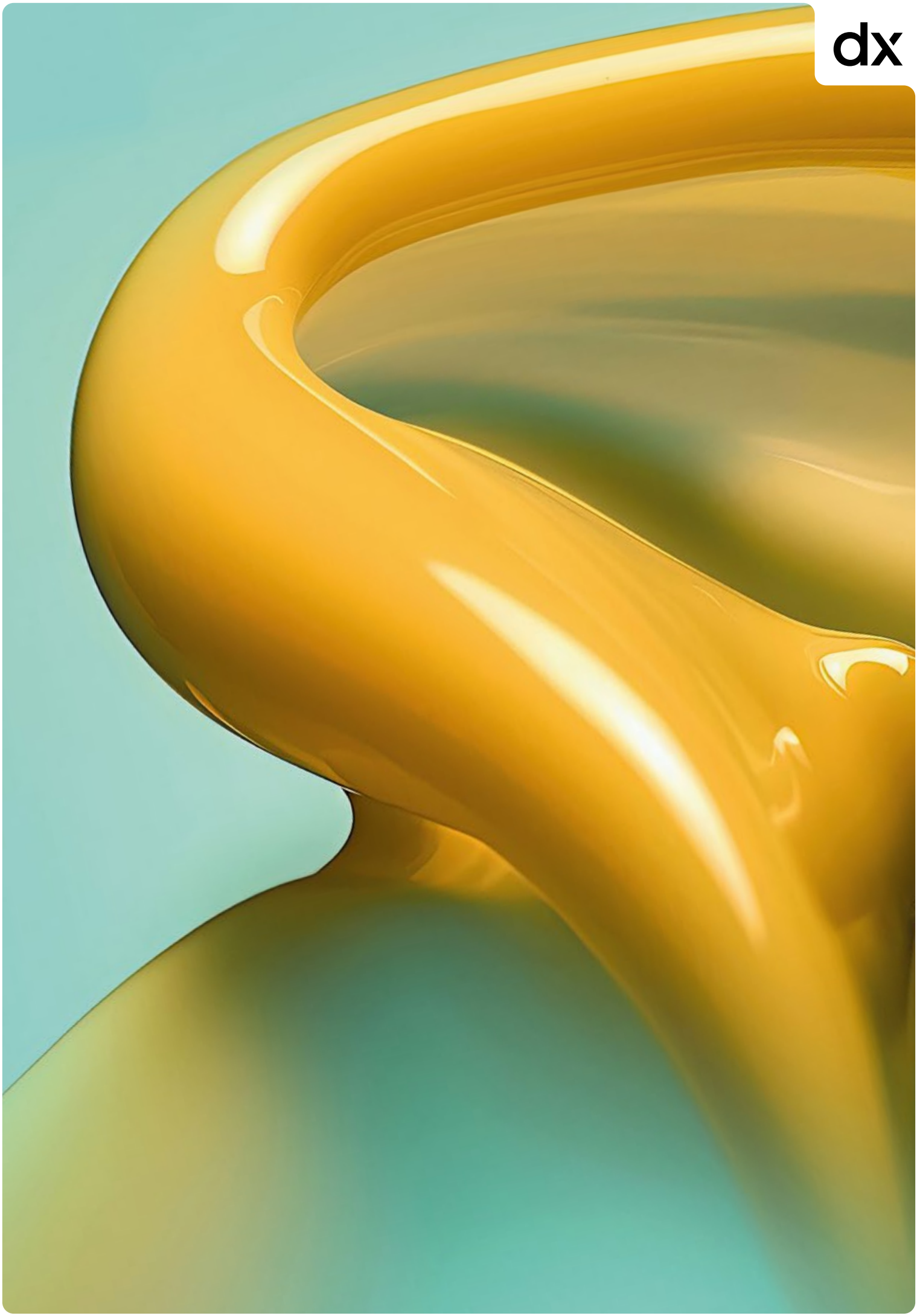
Medical Product: Class I

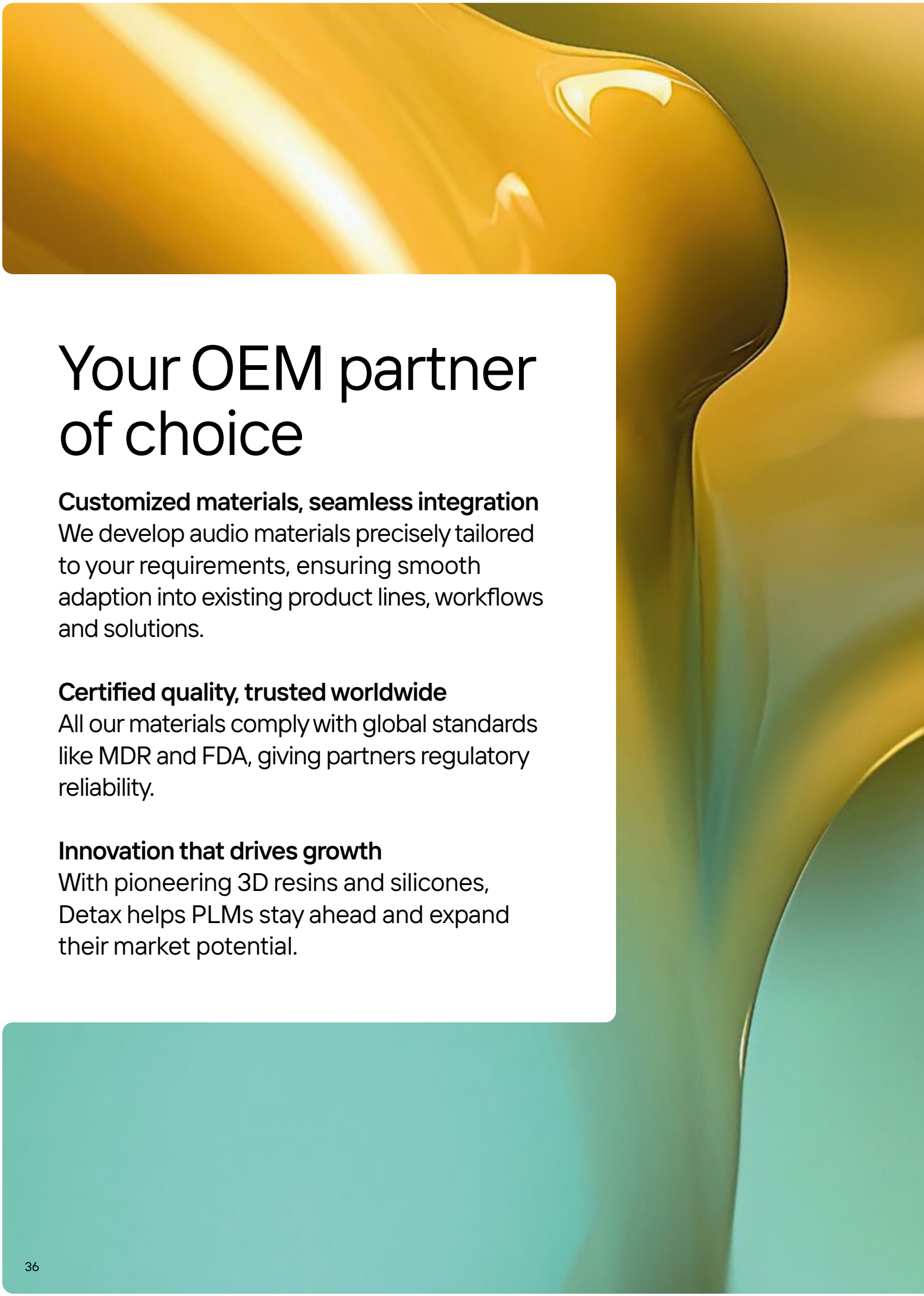
	REF	Product	Unit
	03321	Impression plugs, conical	100 pcs.

grinding tools

Special grinding tool for effortless final finishing, suitable for all kinds of silicone materials (smoothing and removing of uneven spots). Available in two sizes:
Large: Ø 7 mm, grain 150, recom. approx. 15.000 rpm,
Small: Ø 5 mm, grain 150, recom. approx. 15.000 rpm

	REF	Product	Unit
	02551	Grinding sleeves large, rounded	10 pcs.
	02565	Grinding sleeve holder large, rounded	1 pc.
	03006	Grinding sleeves small, rounded	10 pcs.
	02997	Grinding sleeve holder small, rounded	1 pc.
	02615	Grinding sleeves large, pointed	10 pcs.
	02616	Grinding sleeve holder large, pointed	1 pc.
	03011	Grinding sleeves small, pointed	10 pcs.
	02998	Grinding sleeve holder small, pointed	1 pc.
	02033	Mixing pad, coated, 30 sheets large	21,0 × 14,8 cm
	02034	Mixing pad, coated, 30 sheets small	14,5 × 9,5 cm
	02036	Mixing spatula, stainless steel	1 pc.





Your OEM partner of choice

Customized materials, seamless integration
We develop audio materials precisely tailored to your requirements, ensuring smooth adaption into existing product lines, workflows and solutions.

Certified quality, trusted worldwide
All our materials comply with global standards like MDR and FDA, giving partners regulatory reliability.

Innovation that drives growth
With pioneering 3D resins and silicones, Detax helps PLMs stay ahead and expand their market potential.


Your Product
3D Resin
1000 g
Your Product
Silicone
Your Product
Putty
250 ml

70 Years Detax

1954

"DETAX-Dental Karl Huber", based in Karlsruhe, was founded by Karl Huber Jr. The company specializes in manufacturing resins for the dental industry.

1996

We pioneered the development of the first audio impression materials. Additionally, we collaborated with our partner, Egger, to create light-curing polymers specifically designed for hearing aids.

2007

Our product, Addition Chroma revolutionizes the use of impression silicones in hearing aid acoustics. The innovative blue Addition Chroma changes color upon setting, providing users with exceptional convenience and ease of use.

2013

The first 3D printer at Detax is a Rapidshape HA 60; it proudly holds a place of honor in the lobby of our main building. The inaugural printed object is a mold for an earmold, marking Detax's commitment to pioneering advancements in this important technology.

2019

We manufacture the tried-and-tested THERMOtec material, which allows earmolds to soften at body temperature, significantly enhancing comfort for users.

2020

Since 2017, the Medical Device Regulation (MDR) has governed the performance and safety of medical products in the European Union. We are proud to be among the first companies in our industry to achieve full MDR certification.

2024

As Detax celebrates it's 70th anniversary, we are excited to embark on a new chapter with a refreshed image. We are revising our logo, colors and corporate identity.

2025

We introduced dx nobreak – A game changer in printed in-ear applications. The MDR-certified 3D resin was developed to meet the highest standards of modern audiology labs and combines exceptional break resistance, precision, and wearing comfort.





detax

Materials that matter

detax

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