

Information* on the Characteristics and Material Combinations of Adhesives, Putties, Varnishes and Thinners

Product description		General Characteristics							Special Characteristics/ Areas of Application	Possible Material Combinations														Product description							
Chemical basis		Area of application °C/°F	Pot life (2K products, depending on mixing ratio)	Drying time **	Handling strength **	Final strength **	Colour of the glue joint	Bonding process		Polyurethane	Polyethylene	Polypropylene	PPT	EVA	GRP	Rubber	Textiles	Felt	Wood	Laminate	Leather	Cork	PU foams rigid	PU foams soft	PE foams	Metal	Hard PVC	Soft PVC	Neoprene		
Adhesives																															
	Parchment Cold Adhesive 636W9	Polyvinyl acetate					Transparent	Wet	also for low processing temperatures, average setting time																						
	Universal Adhesive 636W1	Cellulose					approx. 8 h under pressure	Transparent	Contact and wet	water and perspiration-resistant, contact adhesion for closed-pore materials, suitable thinner 634A1																					
	Contact Adhesive 636N9	Methyl acetate			15–20 min.			Yellowish	Contact	bonding flexible materials including plastics and metals, good resistance to ageing, suitable thinner 634A6																					
	Special Adhesive for Bandages 636N10	Homopolymer polyvinyl acetate dispersion, approx. 63% in water			30–60 min.			Transparent	Contact and wet	very flexible adhesive film, limited suitability for soft PVC or sole bonding, contact adhesion for closed-pore materials																					
	Plastic Adhesive 636W17	Polyurethane			10–20 min.			Transparent	Contact and wet	heat activation possible even after several days, suitable for bonding fatty leather and to solidify foam cosmetic covers contact adhesion for closed-pore materials, suitable thinner 634A20																					
	PU (Polyurethane) Adhesive 636W25	Polyurethane synthetic solution			approx. 8 h				Contact	for high-strength and flexible bonding, heat-resistant to 120 °C/248 °F in combination with 636W26 Cross-Linking Agent, heat activation possible (+80 °C/+176 °F), suitable thinner 634A23																					
	Contact Adhesive 636W45	Polychloroprene			10–15 min.			Yellowish transparent	Contact	for flexible bonding, suitable thinner 634A59																					
	Neoprene Adhesive 636W65	Polychloroprene			7–45 min.			Brown	Contact	especially for neoprene, suitable thinner 634A67																					
	CP Contact Adhesive 636W71	Polychloroprene, colophonium			with 5–10% hardener up to 8 h				Contact	especially for orthopaedics technology, bonds are more flexible than with 636W72 CR Contact Adhesive, toluol-free, also suitable as a dual-component system to increase heat-resistance, suitable universal thinner 634A71																					
	CR Contact Adhesive 636W72	Polychloroprene			with 5–10% hardener up to 8 h			Transparent	Contact	especially for orthopaedic footwear technology, toluol-free, also suitable as a dual-component system to increase heat-resistance, suitable universal thinner 634A71																					
	Orthocryl Sealing Resin Compact Adhesive 636K18	Solution of an acrylic polymer in methacrylic esters			depends on the mixing ratio			Transparent	Wet	used with 617P14 Hardener Paste or 617P37 Powder																					
	UHU Hard (dual-component system) 636W22	Cellulose nitrate			up to approx. +100 °C/+212 °F			Transparent	Wet	fast-drying, soluble with 634A3 Acetone																					
	Rubber Adhesive 636W34	Polychloroprene			from -30 °C/-86 °F to +90 °C/+194 °F			Beige	Contact	for flexible and heat-resistant bonding, can be applied with a brush or spatula																					
	UHU Plus, final strength 300 (dual-component system) 636W23	Bisphenol-A epoxy resin (A), polyaminoamide (B)			from -40 °C/-104 °F to +80 °C/+176 °F			Opaque/honey-coloured	Wet	the higher the setting temperature (up to approximately 180 °C/380 °F), the higher the strength of the bond; also hardens when not exposed to air																					
	Two Component High-Performance Adhesive 636M2	Epoxy resin and pigments (A), polyaminoamide (B)			50–80 min.				Wet	for high-strength bonding																					
	Special Adhesive 636W18	Epoxy resin and pigments (A), polyaminoamide (B)			50–70 min.				Wet	especially for splint systems, highest strength when hardening between 40–120 °C/104–248 °F, used with 636W19 Hardener Paste																					
	Cyamet Rapid Adhesive (Superglue) 636K11	Ethyl			from -30 °C/-22 °F to +80 °C/+176 °F			Transparent	Wet	setting is accelerated by humidity, suitable for almost all material combinations, high mechanical strength, patented twist-off dosage cap																					
	Cyanacrylate Rapid Adhesive as Dosage Pen 636K36	Ethyl			from -30 °C to +80 °C			Transparent	Wet	dosage pen with twist-off cap, precise gluing with accurate dosage, universal product of average viscosity, high tensile strength, quick-setting standard grade for various applications including ceramics																					
	Spray Adhesive (removable) 636K40	Synthetic elastomers			from -20 °C/-4 °F to +50 °C/+122 °F			Transparent	Wet	for joints that can be disassembled and repositioned, UV-resistant, fine and evenly distributed adhesive application, precise and clean during use																					
	Spray Adhesive (permanent) 636K41	Synthetic elastomers			from -30 °C/-22 °F to +50 °C/+140 °F			Beige	Contact	for permanent bonding, universal, long gluing time, does not penetrate porous materials nor sag, fine and evenly distributed adhesive application																					
Putties																															
	Orthocryl Putty 636K7	Polyester resin solution in methyl methacrylate			from +80 °C/+176 °F to +130 °C/+226 °F			Grey	Contact	for securing and filling various materials, used with 617P14 Hardener Paste																					
	Akemi Fast-Curing Putty 636K9	Unsaturated polyester resins dissolved in styrene			up to approx. +100 °C/+212 °F				Contact	fast-curing, good adhesion and elasticity, for securing and filling various materials, used with 617P14 Hardener Paste																					
	Light Putty 636K17	Unsaturated polyester resins with special light fillers dissolved in styrene			3–7 min.				Contact	fast-curing, very low density, good adhesion, good grinding characteristics for securing and filling various materials, can be coloured with Ottobock colour pastes, used with 617P14 Hardener Paste																					
	Plastic Wood 636K3	Acetone, nitrocellulose, camphor, titanium dioxide			from -10 °C/+50 °F to +80 °C/+176 °F				Contact	for filling holes, cracks and irregularities in wood, can be sanded after approximately 15 min., desired viscosity can be restored using 634A1 Thinner																					
Varnishes																															
	Special Varnish, transparent 635L2	Cellulose						Transparent	Contact	socket interior and exterior varnish, varnishing pergamented prostheses and other wood and metal components, suitable thinner 635L2																					
	Socket Interior Varnish, transparent 635L8	Acrylic						Transparent	Contact	interior socket varnish, physiologically neutral and suitable for sensitive skin																					
	Orthocryl Varnish, colourless 635L12	Synthetic binding agent and solvent							Contact	for the isolation of wet plaster models, and for varnishing sanded laminate surfaces																					
	Orthocryl Spray Varnish, clear 635L14	Toluol-acetone-xylol solvent mixture						Transparent	Contact	for smoothing and repairing sanded laminate, CFC-free spray can																					
	Spray Varnish, skin-coloured 635L13	Pigment binding agent spray varnish						Skin colour	Contact	for coating sanded laminates, CFC-free spray can																					
	Spray Varnish, dark brown 635L16	Pigment binding agent spray varnish						Dark brown	Contact	for coating sanded laminates, CFC-free spray can																					
	Dipping Varnish 635L15	Polyurethane						Dark brown	Contact	for colouring Pedilan casting forms, e.g. feet																					
Cleaners/Thinners																															
	Acetone 634A3	Acetone, dimethylketone						Transparent	Contact	very volatile, with extremely good solvent characteristics for nitrocellulose, polyester, polystyrene, PVC copolymers, alkyl resins, fats, oils and waxes, good degreasing characteristics																					
	Isopropyl Alcohol 634A58	Dimethylcarbinol, 2-hydroxypropan, 2-propanol						Transparent	Contact	for cleaning sensitive plastics such as PVC, PS, ABS, acrylic, PC																					

● can be bonded in combination ● base materials that cannot be combined