



MicroCoat Technologies
Urethane and Acrylated Urethane
Adhesive/Coating/Potting
Catalog 2025

Urethane Structural Adhesives

Model	Type	Color	Density before curing/cm ³	Density after curing/cm ³	Viscosity mPa·s	Thixotropic index	Pot life/min	Hardness	Shear strength MPa	Body strength/MPa	Elongation at break %	Thermal conductivity W/(m·k)	Temperature range °C	Applications	Product Description
MCT-UR925	Two-component Urethane structural adhesive	A : Black B : Off-white	A : 1.99 B : 1.92	1.92	A : 107,000 7# B : 222,400 @20rpm	A : 2.32 B : 2.39	30	Shore D 70	7.0 Al-Al	6.00	5	2.0	-60~120	Large-area thermal conductive structural bonding of power batteries and energy storage PACKs.	Good thermal conductivity, high bonding strength, long operation time, good flame retardant performance.
MCT-UR926		A : Yellow B : Blue	A : 1.68 B : 1.68	1.69	A : 57,600 7# B : 76,800 @20rpm	A : 2.63 B : 1.98	45	Shore D 45	8.0 Al-Al	7.50	30	1.2	-60~120	Two-component high-strength structural adhesive, excellent thermal conductivity, good thixotropy, no flow after mixing, high bonding strength, good bonding to most metals and composite materials.	Excellent construction performance, good thixotropy, no flow after mixing.
MCT-UR929		A : Yellow B : Blue	A : 1.37 B : 1.31	1.38	A : 107,200 7# B : 116,800 @20rpm	A : 3.38 B : 4.68	30	Shore D 57	10.0 Al-Al	8.00	80	—	-60~120	Two-component high-strength structural adhesive, good elongation at break, good toughness, used for bonding composite materials and metals.	Excellent construction performance, good thixotropy, no flow after mixing.
MCT-UR927		A : Black B : Yellow	A : 1.33 B : 1.67	1.58	A : 139,200 7# B : 136,000 @20rpm	A : 5.14 B : 2.92	5	Shore A 81	6.7 SMC-SMC	14.90	30	—	-40~120	Widely used in structural bonding of body exterior parts and body composite materials and other parts.	Wide range of bonding substrates, high bonding strength, good toughness, can be cured at room temperature or heated.
MCT-UR928		A : Black B : Off-white	A : 1.26 B : 1.51	1.37	A : 140,800 7# B : 251,200 @20rpm	A : 3.15 B : 1.76	15	Shore A 70	3.0 PP-PP	5.00	300	—	-60~120	Excellent construction performance, high bonding strength, especially suitable for structural bonding of automotive exterior parts.	Can fast bond a variety of substrates.
MCT-UR951		A : Light yellow B : Light yellow/brown	A : 1.00 B : 1.20	1.08	A : 800 14# B : 300 @100rpm	—	30	Shore A 55	1.0 Al-Al	4.50	90	—	-40~80	Application and potting of cable joints and electronic components, play a sealing and waterproofing role.	High strength, high toughness, two-component room temperature curing Urethane potting material.

Urethanes For Potting

Product Series	Serial number	Application Products	Model	Ratio	A Viscosity	B Viscosity	Mixing Viscosity	A color	B Color	Pot life	Stagnant time	Surface curing	Full Curing	Hardness	Product Features
Water treatment UR adhesive	1	Layered Hollow Fiber Membrane Surface Soft	217-2-3	1:2	30-70	500-700	350-550	Light yellow transparent	Creamy white	45-75min	/	2-4h	24h	55-65A	Aging-resistant, no cracking, high bonding
	2	Layered Hollow Fiber Membrane Bottom Rigid	217-57	42:100	20±10	400±100	200-300	Dark brown	Creamy white	20±10min	/	45±10min	6-7Days	70±5D	Strong permeability, strong adhesion, low glue creeping, good fluidity
Filter	3	High Adhesive efficiency filter potting	5113-13	1:3	530±100	4500±1500	/	Transparent	Creamy white	4±1min	9±2min	18±5min	20±4h	60±5A	Good fluidity, no oiling, adjustable speed, low precipitation, good fluidity, affordable
	4	Filter cartridge cover potting	5113-14	1:4	175±20	4000±1500	/	Dark brown	Off-white	3±1min	3.5±1min	4±1min	20±4h	75±5D	Strong adhesion, good fluidity, no oiling, adjustable speed.
	5		5113-15	1:5	170±50	5000±1000	2000±500	Brown transparent	Beige	5±2	10±2	20±5min	24h	60-70D	High adhesion, good fluidity, suitable for a variety of painting processes
	6	Urethane Foam Adhesive	206-2-7 (Flexible)	1:1	750±150	450±150	/	Transparent	Creamy white	2±1min	/	25±10min	20±4h	30±5A	The operation time is controllable and the specific gravity is low.
	7		206-11 (Hard)	1:1	90±30	400±150	/	Transparent	Creamy white	2±1min	/	20±10min	20±4h	50±5D	
Potting	8	Underwater lights, line lights	301A/B	1:1	500±100	600±150	500±150	Transparent	Yellowish transparent	30±10min	/	3±1h	24h	45±5A	Yellowing resistance time is 3 years, suitable for transparent potting of all kinds.
	9	Point light sources, line lights, electronic components	5112-7-3A/B (yellow)	3:10	140±20	1600±200	750±100	Brown	Yellow	25±5min	/	80±30min	24h	85±5A	It has strong adhesion with plastic parts such as PC and ABS, and the glue has strong structural properties.
	10		5112-5 (white)	3:10	140±20	1600±200	750±100	Brown	White	25±5min	/	80±30min	24h	85±5A	It has strong adhesion with plastic parts such as PC and ABS, and the glue has strong structural properties. Strong
	11	Inductor protective glue	205-17R	1:1	500±100	500±100	500±100	Transparent	Black/transparent	25±10min	/	3±1h	24h	45±5A	Good adhesion to porous substrate, non-flame retardant V0, waterproof, good elasticity
	12		5118-16R	16:100	120±20	6000±1000	3000±1000	Dark brown	Black	30±5min	/	70±20min	24h	85±10A	Thermal conductivity 0.8, flame retardant V0, waterproof, good adhesion to substrate
	13	Circuit board protective glue	201-10R	1:1	20±10	400±100	200±100	Light yellow	Light yellow	30±10min	/	3-5h	24h	40±10A	Hardness, speed adjustable, flame retardant V0 waterproof, reworkable, good

DIY Urethane Resins

Model	Ratio	Hardness	Applications	Advantage
MCT8300AB	3-1	65A	Transparent flexible UR glue is used for encapsulation of stickers, badges, key chains, wallpapers, etc., and can be widely used in the packaging of nameplates, LEDs, and electronic circuit boards.	Excellent flexibility and high and low temperature resistance. After curing, a clear, transparent, flexible and highly transparent shell will be formed. At the same time, it has excellent yellowing resistance
MCT8301AB	1-1	65A		
MCT1003AB	10-1	85D	Matte UR glue is suitable for coatings on indoor and outdoor floors, desktops, walls, etc. It has a perfect seal for different substrates such as epoxy resin, wood, acrylic, and microcement, and a hardness of up to 85D.	Curing time 1-3 hours, this product is sustainable, with high mechanical strength, aging resistance, corrosion resistance, and good adhesion to the substrate.
MCT1013AB	10-1	85D		Curing time 10Min, this product is sustainable, with high mechanical strength, aging resistance, corrosion resistance, and good adhesion to the substrate.
MCT1002AB	5-1	85D	Transparent glossy UR glue is suitable for coatings on indoor and outdoor floors, desktops, walls, etc. It has a perfect seal for different substrates such as epoxy resin, wood, acrylic, and microcement, and a hardness of up to 85D.	1-3 hours curing, this product is sustainable, with high mechanical strength, aging resistance, corrosion resistance, and good adhesion to the
MCT1012AB	5-1	85D		10Min curing, this product is sustainable, with high mechanical strength, aging resistance, corrosion resistance, and good adhesion to the substrate.
MCT8200AB	2-1	25A-75A	Colored casting UR, casting various model manufacturing, molded parts or tools, electric irrigation, machinery manufacturing, etc., with a hardness of 25A-75A.	2-3 hours curing, this product has excellent flexibility, durability, wear resistance and flame retardancy.
MCT8100AB	1-1			
MCT8101AB	1-1	75D	Clear UR resin for DIY crafts	Hardness 75D, 4cm can be poured each time, permanent anti-yellowing
MCT8202AB	2-1	74D		Hardness 74D, 3cm can be poured each time, permanent anti-yellowing
MCT8001AB	1-1	75±5	UR Adhesive	Excellent adhesion and high and low temperature resistance, 36 hours curing, can be used to bond stone floors.