



Epoxy Resin Catalog

MCT Resins for Art Applications

Casting:

MCT PRODUCT	Weight Ratio	Volume Ratio	Hardness	Range of use	Advantage
MCT2118AB	2— 1	1.7- 1	80D	Dedicated to river tables, wood and resin combined art tables, crafts, accessories	It can be mixed 60kg resin each time,maximum one pour 10cm deep pour resin,food safe resin.
MCT3230AB	3— 1	2- 1	85D	Dedicated to river tables, wood and resin combined art tables, crafts, accessories	It can be mixed 10kg resin each time,maximum one pour 3cm deep pour resin,food safe resin.
MCT3230-1ab	3— 1	2- 1	85D	Dedicated to river tables, wood and resin combined art tables, crafts, accessories	Environmental protection level,it can be mixed 10kg resins each time, maximum one pour 3cm casting resin.
MCT3230-MAB	3— 1	2- 1	85D	Dedicated to river tables, wood and resin combined art tables, crafts, accessories	Maximum one pour 5cm deep pour resin,food safe resin.
MCT3230-10	3- 1	2- 1	80D	Dedicated to large river tables, large-scale handicrafts,wood and resin combined art tables, crafts, accessories,electronic potting etc.	Maximum one pour 15cm deep pour resin,food safe resin.
MCT3230-X	3— 1	2- 1	75D	Dedicated to large river tables, large-scale handicrafts,wood and resin combined art tables, crafts, accessories,electronic potting etc.	Maximum one pour 20cm deep pour resin,food safe resin.
MCT888-8ab	3— 1	2- 1	82D	Dedicated to large river tables, large-scale handicrafts,wood and resin combined art tables, crafts, accessories,electronic potting etc.	It can be mixed 200-400kg each time, maximum one pour 30cm casting resin,food safe resin.

Art & Crafts, Liquid Art, Coasters, Jewelry and Key Chains

MCT PRODUCT	Weight Ratio	Volume Ratio	Hardness	Range of use	Advantage
MCT1608-A3	1— 1	1- 1	75D	Dedicated to coating wood surface, wood veneer, countertop, artwork, perspective sub-assembly, photo frame, Epoxy, badge, high-grade resin word	1:1 art resin.Pot life 20-30mins, 8-10 hours fast set.Food safe resin.
MCT1608-3D	1— 1	1- 1	75D	Dedicated to coating wood surface, wood veneer, countertop, artwork, perspective sub-assembly, photo frame, Epoxy, badge, high-grade resin word	1:1 art resin.Pot life 20-30mins, 8-10 hours fast set.Food safe resin.
MCT1608-12	1— 1	1- 1	75D	Dedicated to coating wood surface, wood veneer, countertop, artwork, perspective sub-assembly, photo frame, Epoxy, badge, high-grade resin word	1:1 art resin.Pot life 20-30mins, 8-10 hours fast set.Food safe resin.
MCT703AB	1- 1	1- 1	75D	Dedicated to coating wood surface, wood veneer, countertop, artwork, perspective sub-assembly, photo frame, Epoxy, badge, high-grade resin word	1:1 art resin.Pot life 10-15mins, 2 hours fast set.Food safe resin.
MCT3136-0S	3— 1	2- 1	75D	Dedicated to coating wood surface, wood veneer, countertop, artwork, perspective sub-assembly, photo frame, Epoxy, badge, high-grade resin word	No bubbles art resin.Pot life 20-30mins, 8-10 hours fast set.Food safe resin.

Coatings:

MCT PRODUCT	Weight Ratio	Volume Ratio	Hardness	Range of use	Advantage
MCT400-4AB	3— 1	2-1	90D	Crystal drop board, marble board, metallic floor,liquid art,coaster, kitchen countertop, high hardness surface approval;	Pot life 20mins, 24 hours curing time. Clear Topcoat Resin.Food safe resin
MCT3136-3M	3— 1	2-1	85D	Crystal drop board, marble board, surfboard,boat, metallic floor,liquid art, coaster,kitchen countertop, high hardness surface approval;	Clear Topcoat Resin.Pot life 15-20 mins. 4-6 hours fast set.Food safe resin.
MCT3136-ML	3— 1	2-1	90D	Crystal drop board, marble board,metallic floor, liquid art, coaster,kitchen countertop, high hardness surface approval;	High viscosity Resin for liquid art and other coating artwork.Pot life 20-30mins, 24 hours curing time.Food safe resin.

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Composite Resins

MCT PRODUCT	Ratio	Hardness	Range of use	Advantage
MCT263AB-3AB	3-1'	85D	Vacuum infusion of composite material resin, molds, golf balls, photo frames, marble, handicrafts and other products to strengthen and shape.	High temperature resistance 80 °C, TG temperature 60 °C, can be cured at room temperature, can also be cured by heating;
MCT263AB-J	4-1'	85D	Vacuum infusion of composite material resin, molds, golf balls, photo frames, marble, handicrafts and other products to strengthen and shape.	High temperature resistance 150 °C, TG temperature 120 °C, can be cured at room temperature, can also be cured by heating;
MCT168AB-3	10-8'	92D	Special epoxy resin for Filament winding / Resin Transfer Molding (RTM) process	High temperature resistance 150 °C, TG temperature 120 °C, need heating and curing
MCT263AB-P	3-1'	82D	Hand Lay-Up molding, widely used in the molding of composite materials such as carbon fiber products, metal composite boards, mineral resin	Fast curing, room temperature curing, super impact resistance, high temperature resistance 120 °C, TG temperature 75 °C;
MCT368AB	10-4'	92D	Hand Lay-Up molding and lamination molding resins are widely used for the molding of composite materials such as carbon fiber, glass fiber, high temperature resistant composite board, mineral resin board, and the reinforcement of metal, ceramic, rubber, glass, fiber products, etc.	Heat curing, high temperature resistance 200 °C, TG temperature 150 °C, short lamination time;
MCT369AB	10-12'	92D		Heat curing, high temperature resistance 300 °C, TG temperature 250 °C, long lamination time;
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Potting Series

MCT PRODUCT	Color	Pot life	Curing time (25°C)	TG temperature (°C)	Use Ratio	Advantage
MCT5050ab	black	40Min	15H	85°C	5 : 1	Electronic and electrical potting, insulation and waterproofing
MCT5050-1ab	black	40Min	24H	85°C	5 : 1	
MCT5230ab	White	40Min	15H	85°C	5 : 1	
MCT168AB	black White Red	30-60Min	6-8H	85°C	5 : 1	
MCT168AB-1	Transparent/black/white	10-60Min	1-10H	80°C	2:1/3:1/4:1	Electronic appliances, LED, intelligence, low viscosity insulation and waterproofing
MCT168AB-D	black/grey	30-60Min	4-16H	100-150°C	8:1/10:1	Electronic appliances, motors, insulation and waterproof, conductivity 0.8-2.5
169AB-D	black/grey	30-60Min	4-16H	100-150°C	10:1	Electronic appliances, motors, insulation and waterproof, conductivity 2.5
MCT168AB-Z	black/dark red	30-60Min	6-8H	100-150°C	5 : 1/8 : 1	Electronic appliances, LED, insulation, waterproof and retarder
MCT168AB-T	black/white/transparent	60-80Min	6-10H	80°C	2 : 1/3 : 1	Electronic appliances, intelligence, new energy, insulation, waterproof and sealing, elastic and repairable
MCT168AB-GD	black/white/transparent	30-40Min	6-10H	85°C	2 : 1	Electronic appliances, intelligence, new energy, insulation, waterproof, high and low temperature resistance
MCT169ab	transparent	4-6 hours	85°C/2-4H+115°C/4-6H or 100°Cx6-8H or 150°Cx1H	180°C	100 : 100 (weight ratio)	Potting and bonding, no yellowing for 26 days, high TG, transparent color
MCT368AB-1	Black, light yellow	40-60Min	60°C/2H+115°C/2H or Curing at room temperature 24H+80°Cx2-4H	200°C	2:1	High temperature resistant potting
MCT368AB	black	60Min	60°C/2H+115°C/2H or Curing at room temperature 24H+80°Cx2-4H	250°C	5 : 1 ; 8 : 1	
MCT368AB-D	black/grey	60Min	80°C/2H+115°C/2H or Curing at room temperature 24H+90°Cx2-4H	250°C	6 : 1、 8 : 1 ; 10 : 1	High temperature resistant thermal potting 0.8-2.5
368AB-HD	black/grey	60-80Min	80°C/2H+115°C/2H or normal temperature 24H+90°Cx2-4H	250°C	6 : 1、 8 : 1 ; 10 : 1	High temperature resistant thermal conductive potting 0.8-2.5
MCT369AB	black/light yellow	8H	85°C/2H+100°C/2H+150°C/2H	250°C	100 : 120/2 : 1	High temperature and high pressure resistant potting
MCT369AB-D	black/grey	8H	90°C/2H+120°C/2H+150°C/2H	300°C	4 : 1	High temperature resistance temperature resistance High conductivity
369AB-HD	black/grey	8H	90°C/2H+120°C/2H+150°C/2H	300°C	4 : 1	High temperature resistance and high thermal conductivity 2.5
MCT168-3ab	transparent	4-6H	70°C-80°C/2-4H+105°C/4-6H or 100°Cx6-8H	120°C	100 : 80 (weight ratio)	Potting and bonding, no yellowing for 26 days
Y-100	black, white, gray	24H	120°C/1.5-2H		one Part	Insulation, strong bonding
Y-100A	black, white, transparent	24H	120°C/1.5-2H		one Part	Tough bonding
Y-100T	black, gray	24H	120°C/2-3H		one Part	elastic bonding
Y-100Z	black, gray	24H	230-250°C/1-2min		one Part	Automatic pin glue
Y-100-1	black, gray, white	24H	120°C/30-40min		one Part	Quick cure
Y-100-12	black, white	24H	110-115°C/1.5-2H		one Part	low viscosity, infusion
Y-100-5	black, gray	24H	120°C/5-10min		one Part	elasticity, filling
MCT186AB	transparent	30Min	6-8H		2:1	bonding, waterproof

Standard Epoxy Resin Series

MCT PRODUCT	Ratio	Hardness	Range of use	Advantage
MCT325AB	2—1	80D	Dedicated to solar cell surface dispensing, mold infusion	High transparency, good surface gloss, natural defoaming, good UV resistance
MCT168AB-w	3—1	85D	Album, Korean Crystal Photo Frame, Crystal Specimens, Insect Specimens, Botanical Specimen, Carton Surface Epoxy, Large Surface Epoxy, Mobile Phone Case Epoxy, Signage, Card, Lighting, Light Bar Encapsulation	Good leveling, natural defoaming, large area without corrugation, high hardness, room temperature or warming can be cured
MCT168AB-X	4—1	85D	Specimens, handicrafts, fake water, plastic gluing on the surface of cabinet doors, surface painting glue, crystal floor gluing, handicrafts, metal ornaments, badges, magnetic refrigerators	Low calorific value, can be filled with a few hundred grams glue at a time, good leveling, natural defoaming, anti-yellowing, bright surface, high transparency without ripple, suitable for normal temperature or heat curing
MCT168AB-2	3—1	85D	Epoxy card, jewelry Epoxy, metal Epoxy, handicrafts, crystal specimens, insect specimens, plant specimens, cell phone casing Epoxy, signs, cards, lighting, light bar potting	Good leveling, natural defoaming, high transparency, no corrugation, high hardness, room temperature or heat curable
MCT415AB	1—1	/	Floral fake water, flower arrangement fake water, artificial fake water, adhesive stickers, signs, name plates, badges, resin characters, LED luminous characters surface packaging.	Neutral soft rubber , high transparency, yellowing resistance, low temperature resistance, good leveling, natural defoaming, good toughness, normal temperature or warming
MCT168AB-N	3—1	85D	Cabinet door crystal sealing glaze crystal, cross stitch crystal sealing glaze, frame crystal sealing glaze, large area crystal sealing glaze	Good leveling, natural defoaming, high transparency, no corrugation, high hardness, room temperature or heating
MCT600ab	3—1	85D	LED resin luminous characters, high-grade resin characters, handicrafts, metal jewelry Epoxy, badges, magnetic refrigerator	
MCT400-4AB	3—1	90D	Crystal drop board, marble board, 3D floor, kitchen countertop, high hardness surface approval;	
MCT2118AB	2—1	80D	Accessories, Arts & Crafts, LED Piranha Modules, Sockets, Recessed Lights, Underwater Lights, Wall Washers, High Hardness Floor Coverings, 3D	Low heat, anti-yellowing, strong adhesion, good fluidity, natural defoaming, 20kg can be mixed at a time, maximum casting thickness 8-11cm , greenhouse curing or heat curing;
MCT3230ab	3—1	85D	Dedicated to river tables, wood and resin combined art tables, crafts, accessories	Low heat, anti-yellowing, strong adhesion, good fluidity, natural defoaming, 10kg per product, maximum casting thickness 3cm , greenhouse curing or heat curing;

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Polishing

MCT PRODUCT	Ratio	Hardness	Range of use	Advantage
MCT4212AB	4—1	92D	Surfboards, paddles with surface drape, belt buckles, bar counters, stone surface approvals, LED potting, carbon fiber products, drape, sanding of jewelry surfaces, automotive materials.	High hardness, sandability, fast curing time, high transparency, heat curing, hardness increase after heating and curing
MCT818AB	3—1	90D		High hardness, good leveling, natural defoaming, fast curing, bright surface, high temperature 80 degrees Celsius
MCT2010AB-1	2—1	90D		High hardness, good yellowing resistance, low viscosity, good defoaming performance, high transparency, good UV resistance, high temperature resistance 140 degrees Celsius
MCT4010AB	4—1	92D		High hardness, can be polished, operating time, long hair, small heat, can be heated and cured, high temperature 80 degrees Celsius.
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Arc series

MCT PRODUCT	Ratio	Hardness	Range of use	Advantage
MCT316AB-1	3—1	82D	Hairpin jewelry, photo frames, lighting, etc., as well as mold casting and other electronic parts of the insulation, moisture potting, confidential cover.	Translucent, medium and high arc , natural defoaming, easy to operate, greenhouse curing or heat curing, high temperature 130 degrees Celsius
MCT316AB	3—1	82D		Translucent, low arc surface , natural defoaming, easy to operate, greenhouse curing or heat curing, high temperature 130 degrees Celsius
MCT316AB-2	2—1	78D		Translucent, high curved surface , natural defoaming, easy to operate, greenhouse curing or heat curing, high temperature 130 degrees Celsius
MCT904AB	2—1	78D	Mobile phone shell stick drill, handicraft stick drill, jewelry diamond, high-arc product epoxy, hair clips, lighting surface packaging or transparent infusion of electronic components.	Neutral soft rubber, high curvature arc adhesive , strong adhesion, certain toughness after curing, moderate softness, good flexibility at normal temperature or heating, good surface
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Flexible Epoxy Resin Series

MCT PRODUCT	Ratio	Hardness	Range of use	Advantage
MCT315AB-W	3—1	60a	Self-adhesive stickers, flat crystal epoxy, magnetic refrigerator, crystal ornaments epoxy, signs, nameplates, badges, surface packaging or transparent infusion of electronic components and LED light strips with potting.	Soft rubber, moderate viscosity, natural defoaming, anti-yellowing, good light transmission, surface gloss, good toughness, no hard time for a long time, no warping, dry and sticky after curing, high transparency, normal temperature or increase Good temperature and softness, good surface.
MCT315AB	3—1	/	Stickers, signs, stickers, flat crystal glue, crystal ornaments, metal jewelry surface packaging or electronic component transparent infusion and LED light strips with potting.	Highly soft epoxy , moderate viscosity, high transparency, anti-yellowing, natural defoaming, good toughness, strong adhesion, surface gloss, crystal clear. Room temperature or heating curing flexibility, good surface
MCT315AB-46	3—1	60a	Transparent packaging and LED potting of surface packages or electronic components for stickers, signs, name plates, and badges.	Medium soft , good leveling, natural defoaming, high transparency, good toughness, room temperature or heating solid.
MCT1909	1—1	60a	Transparent packaging and LED potting of surface packages or electronic components for stickers, signs, name plates, and badges.	Good leveling, natural defoaming, high transparency, good toughness, room temperature or heating solid.

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High Temperature Series

MCT PRODUCT	Ratio	Hardness	Range of use	Advantage
MCT1210-83AB	1:1	83D	Any high temperature resistant for bonding, potting, sealing, coating, etc. Can also be used for pre-foamed composite materials, Composite material repair pipeline repair, etc., with high pressure resistance, high temperature resistance and chemical resistance	Room temperature curing, high temperature resistance 200 ° C, TG 120° C
MCT100AB	1-0.8	85D		Heat curing, high temperature resistance 350 ° C, TG 150° C
MCT4002AB	10--1	85D		Room temperature curing, high temperature resistance 350 ° C, TG 200° C
MCT4002-1AB	6--1	85D		Room temperature curing, high temperature resistance 300 ° C, TG 150° C
MCT4002-3AB	4--1	85D		Room temperature curing, high temperature resistance 300 ° C, TG 120° C
MCT4002-2AB	6--1	85D	It is mainly used for the RTM/vacuum infusion technology to make the carbon fiber composites	Room temperature curing, high temperature resistance 300 ° C, TG 120° C
MCT100-1AB	1-0.8	85D		Heat curing two-component epoxy adhesive, high temperature resistance 300 ° C, TG 150° C , solid yellowish transparent colloid. It has the characteristics of stable storage, high bonding strength, good insulation performance, convenient use of two components, certain leveling when cured, strong applicability, etc. The cured product can be black or colorless transparent body.
MCT4072-1AB	10--1	80D	Any high temperature resistant for bonding, potting, sealing, coating, etc. Can also be used for pre-foamed composite materials, Composite material repair pipeline repair, etc., with high pressure resistance, high temperature resistance and chemical resistance	Curing at Room temperature, excellent temperature resistance, excellent fire and flame retardant performance, in line with UL94_V0 level, High temperature resistance 400C, TG290C
MCT4072-1DAB	10--1	80D		Curing at Room temperature, excellent temperature resistance, excellent fire and flame retardant performance, in line with UL94_V0 level, High temperature resistance 400C, TG300C, It has better impact resistance, high pressure resistance, high temperature resistance, chemical resistance and corrosion resistance than 4072-1AB.
MCT52-2	/	85D	Suitable for bonding between metal and most hard non-metal materials.	After chemicalization, the bonding strength is high, the peeling strength is high, the impact strength is high, the resistance to high and low temperature cycles is excellent, the one-component thermosetting resin, TG 160C , the tensile shear strength 360kg/cm2,
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Quick-Drying Epoxy Adhesives

MCT PRODUCT	Ratio	Hardness	Range of use	Advantage
MCT701AB	1-1'	85D	Surfboards, paddles with surface drape, belt buckles, bar counters, stone surface approvals, LED potting, carbon fiber products, drape, sanding of jewelry surfaces, automotive materials.	5 minutes curing, dedicated to metal bonding, electronic product bonding, hard material bonding and mold infusion as well as other electronic parts insulation, moisture-proof potting, security cover, river table wood pretreatment, etc.
MCT702AB				1 hour curing, dedicated to metal bonding, electronic product bonding, hard material bonding and mold infusion as well as other electronic parts insulation, moisture-proof potting, security cover, river table wood pretreatment, etc.
MCT703AB				2 hours curing, dedicated to metal bonding, electronic product bonding, hard material bonding and mold infusion as well as other electronic parts insulation, moisture-proof potting, security cover, river table wood pretreatment, etc.
MCT704AB				4 hours curing, dedicated to metal bonding, electronic product bonding, hard material bonding and mold infusion as well as other electronic parts insulation, moisture-proof potting, security cover, river table wood pretreatment, etc.
MCT169AB-S	3-1'	78-82	It is widely used in the bonding and filling of food contact products, electronic components, metal, ceramics, rubber, glass, fiber products, etc.	Non-toxic and safe, keeping food safe within 100C, strong adhesion, Maximum temperature 120C
MCT181A/B-S	1-1'	80-82		Non-toxic and safe, keeping food safe within 60C, strong adhesion, Maximum temperature 105C
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