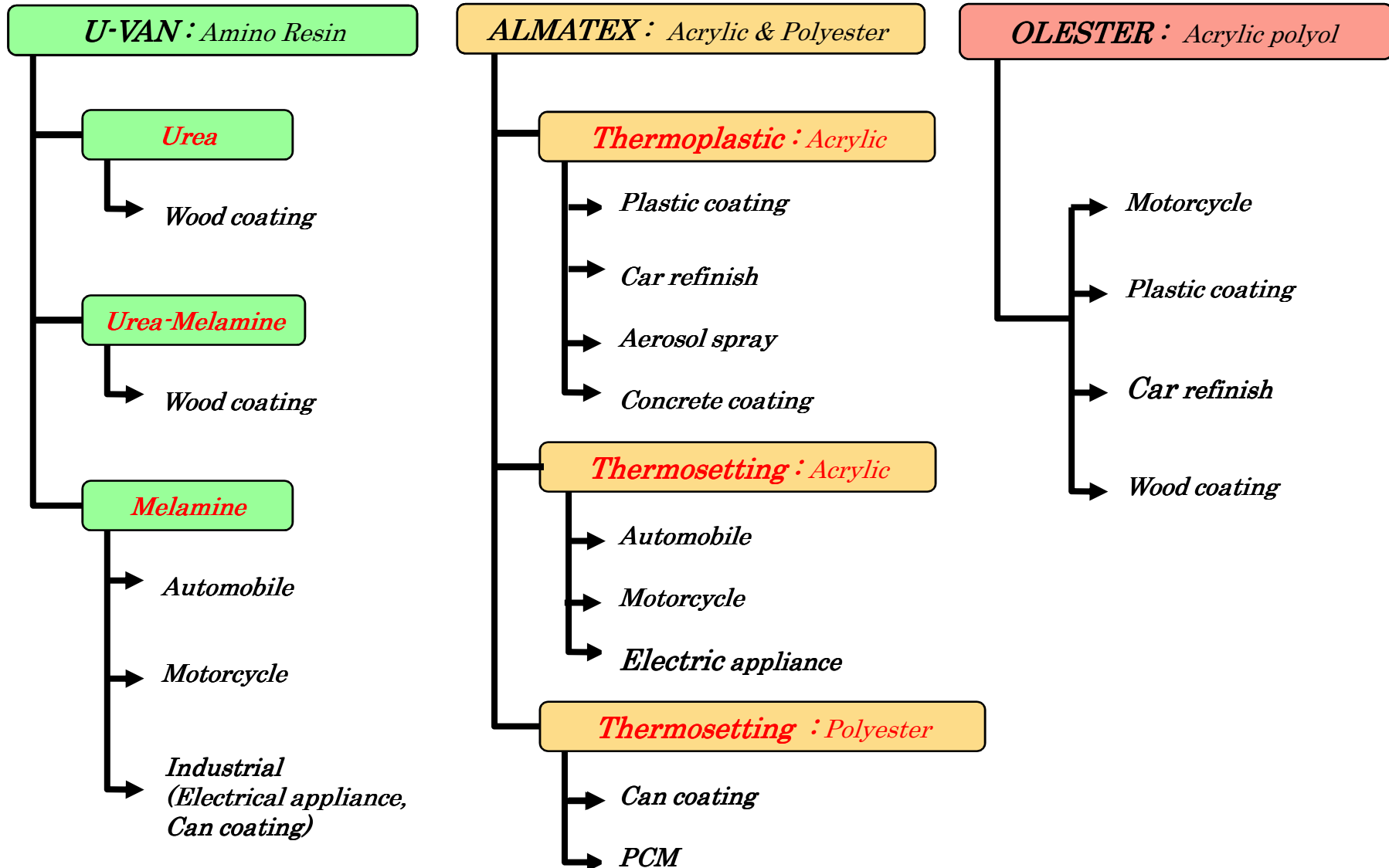


Out line of TMSC products



U-VAN (Amino Resin)

Acid Cure type

Grade	Solvent	Type	Viscosity (GH/25°C)	Solid	Acid Value (KOHmg/g)	Free Formalin (%)	MS solubility (cc/g, 20°C)	Main application and Characteristic	
10M	iso-Butanol	80	iso-Butylated Urea	W ~ Z	60 %	< 2	< 1 %	2 ~ 5	Wood coating. (Fast curing).
	Methanol	10							
	Xylene	10							
236	iso-Butanol	90	iso-Butylated Urea-Melamine	Z2 ~ Z5	65 %	< 2	< 1 %	1 ~ 5	Wood coating (Good Water Resistance).
	Methanol	10							
239	iso-Butanol	70	iso-Butylated Urea-Melamine	Z3 ~ Z5	65 %	< 2	< 0.5 %	1 ~ 5	Wood coating (Low smell. Fast dry.)
	Methanol	20							
	Xylene	10							

Baking type

Grade	Solvent	Type	Viscosity (GH/25°C)	Solid	Acid Value (KOHmg/g)	Free Formalin (%)	MS solubility (cc/g, 20°C)	Main application and Characteristic	
20SE60	n-Butanol	60	n-Butylated Melamine	G ~ N	60 %	< 1	1.0 ~ 2.0	8 ~ 15	Electric appliances, Automobile and PCM (Standard type. Good balance of property)
	Xylene	40							
128	n-Butanol	60	n-Butylated Melamine	J ~ M	60 %	< 1	1.0 ~ 1.5	9 ~ 14	Electric appliances, Automobile and PCM (Low temperature baking.)
	Xylene	40							
62E	iso-Butanol	85	iso-Butylated Melamine	M ~ U	60 %	< 1	1.5 ~ 2.5	10 ~ 20	General purpose metal coating. (Standard type for general use).
	Xylene	15							

MS : Mineral Spirit

Viscosity : Gardner air bubble viscometer

ALMATEX (Acrylic & Polyester Resin)

Thermoplastic Type

Grade	Solvent	Viscosity (GH/25°C)	Solid	Acid Value (KOHmg/g)	Tg (°C)	Compatibility (5% solid)			Film property				Main application and Characteristic
						NC	CAB	Gloss	Hardness	Weather rst.	Alcohol rst.	Gasoline rst.	
L2058	Toluene	70	Z1 ~ Z3+	0.5 ~ 2.5	51	Good	Poor	60 ~70	F	Fair	Fair	Poor	Plastic coating (Standard type)
	iso-Butanol	20											
	Butylcellosolve	10											
L1093T	Toluene	90	W ~ Z3	< 1	53	Good	Poor	60 ~70	H	Fair	Excellent	Poor	Plastic coating (Alcohol resistance)
	iso-Butanol	10											
L9090	Xylene	70	Z1 ~ Z4	1 ~ 3	57	Poor	Good	85 ~95	HB	Fair	Poor	Good	Car refinsh, Aerosol spray (Gasoline resistance)
	Toluene	30											
L7001T	Xylene	80	Z1 ~ Z5	3 ~ 6	61	Poor	Poor	90 ~100	HB	Poor	Excellent	Poor	Aerosol spray. (High gloss. Alcohol resistance)
	n-butyl acetate	20											
L5490T	Solvesso#100	60	Z4 ~ Z7	< 1	63	Poor	Good	80 ~90	HB	Excellent	-	-	Cement roof tile/top coat (Weather resistance)
	Solvesso#150	40											
L5446T	Solvesso#100	90	Z2 ~ Z5	< 1	38	Poor	Poor	90 ~100	F	Poor	-	-	Concrete coating / primer (Economic, High gloss)
	Xylene	10											

ALMATEX (Acrylic & Polyester Resin)

Thermosetting type (Acrylic resin)

Grade	Solvent	Viscosity (GH/25°C)	Solid	Acid Value (KOHmg/g)	Tg (°C)	Film property					Main application and Characteristic	
						Gloss	Hardness	Flexibility	Adhesion	Salt spray (72hrs.)		
787	Xylene n-butanol	90 10	Y~ Z2	55 %	6 ~10	16	Excellent	2H	Excellent	Excellent	Excellent	Electric appliance (Good workability)
B341	Xylene i-butanol	80 20	X ~ Z	65 %	10 ~14	27	Good	2H	Excellent	Excellent	Excellent	Motorcycle / Base coat (Gasoline resistance)
C202	Solvesso#100 n-butanol	75 25	X ~ Z1	70 %	12~15	20	Excellent	2H	Excellent	Excellent	Excellent	Motorcycle / Top coat (High gloss Gasoline resistance)
C408	Xylene n-butanol	80 20	R ~ V	50 %	1~14	50	Good	H	Excellent	Excellent	Excellent	Motorcycle for one coat metallic coating, audio flame

Thermosetting type (Polyester resin)

Grade	Solvent	Viscosity (GH/25°C)	Solid	Acid Value (KOHmg/g)	Film property						Main application and Characteristic	
					Gloss	Hardness	Flexibility	Impact resistance	Weather resistance.	Boiling resistance.		
P646	Solvesso#100 MIBK	90 10	WY ~ Z	60 %	3 ~ 7	80 ~90	2H	Excellent	Excellent	Excellent	Excellent	PCM Can coating / base coat
CP99-5	Solvesso#100 PMAc	50 50	R~ V	50 %	3 ~ 6	80 ~90	H	Excellent	Excellent	Excellent	Excellent	Can coating / base coat (Flexible type)

OLESTER (Acrylic Polyol Resin)

Clear paint (Car refinish, Plastic, Wood, Aluminum)

Grade	Solvent	OHV /Solid (KOH mg / g)	Viscosity (GH/25 °C)	Solid	Acid Value (KOH mg/g)	Tg (°C)	Compatibility (5% solid)		Film property				Main application and Characteristic	
							NC	CAB	Gloss	Hardness	Weather st.	Gasoline st.		
Q700	Xylene	50	120	Y ~ Z1	60%	5 ~ 7	70	Good	Poor	90 ~100	2H	Fair	Excellent	2 : 1 Car refinish. Plastic. (High Gloss, chemical resistance)
	Solvesso#100	25												
	n-Butyl acetate	25												
Q171X	Xylene	80	95	U ~ X	50%	2 ~ 4	81	Good	Poor	90 ~100	2H	Fair	Excellent	4 : 1 Car refinish. Plastic (High gloss, High hardness)
	n-Butyl acetate	20												
Q193X	Xylene	80	40	V ~ Z	50%	1 ~ 3	46	Poor	Good	80 ~90	H	Excellent	Fair	6 : 1 Car refinish, General. (Weather resistance , fast dry)
	n-Butyl acetate	20												
QR331T	Xylene	75	80	Z2~Z5	70%	6 ~ 9	72	Good	Poor	90 ~100	H	Fair	Good	Plastic, General purpose (High solid, High gloss)
	PMAc	25												
QR411T	Toluene	50	64	T ~ X	50%	5.5 ~ 7.5	54	Good	Good	80 ~90	2H	Good	Good	Aluminum coating (Good metal adhesion)
	n-Butyl acetate	30												
	Xylene	20												
Q166	Xylene	80	60	Y ~Z3	50%	2 ~ 5	54	Good	Good	80 ~90	2H	Excellent	Good	Wood , Plastic, General. (Fast dry, High hardness)
	MIBK	20												
QR202	Xylene	90	75	Z1~Z4	60%	4 ~ 7	75	Poor	Poor	90 ~100	F	Fair	Fair	Wood, Plastic, General. (High gloss, economic)
	I -Butyl acetate	10												

OLESTER (Acrylic Polyol Resin)

Metallic coating (Motorcycle)

Grade	Solvent	OHV /Solid (KOH mg/g)	Viscosity (GH/25 °C)	Solid	Acid Value (KOH mg/g)	Tg (°C)	Compatibility (5% solid)		Film property				Main application and Characteristic	
							NC	CAB	Gloss	Hardness	Weatherst.	Gasoline rst.		
QB510	Xylene	80	60	U ~ Y	65%	5.3~7.3	30	Good	Good	80~90	F	Good	Good	Metallic base coat / 2C1B (Good aluminum orientation)
	i-Butyl acetate	20												
QC417-5	Solvesso#100	80	100	Y ~ Z1	60%	4.5~6.5	65	Good	Good	90~100	H	Excellent	Good	Clear top coat / 2C1B (High gloss, High hardness)
	n-Butyl acetate	20												
QM532	Xylene	70	90	Y ~ Z4	67%	7~10	60	Good	Good	90~100	F	Good	Good	One coat metallic paint (Good film appearance)
	n-Butyl acetate	20												
	PMAc	10												
QM1526	Xylene	65	54	T ~ X	50%	3.5~5.5	27	Good	Good	-	-	-	-	Improve aluminum orientation (QM532 : QM1526 = 70 : 30 by solid)
	n-Butyl acetate	20												
	PMAc	15												

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