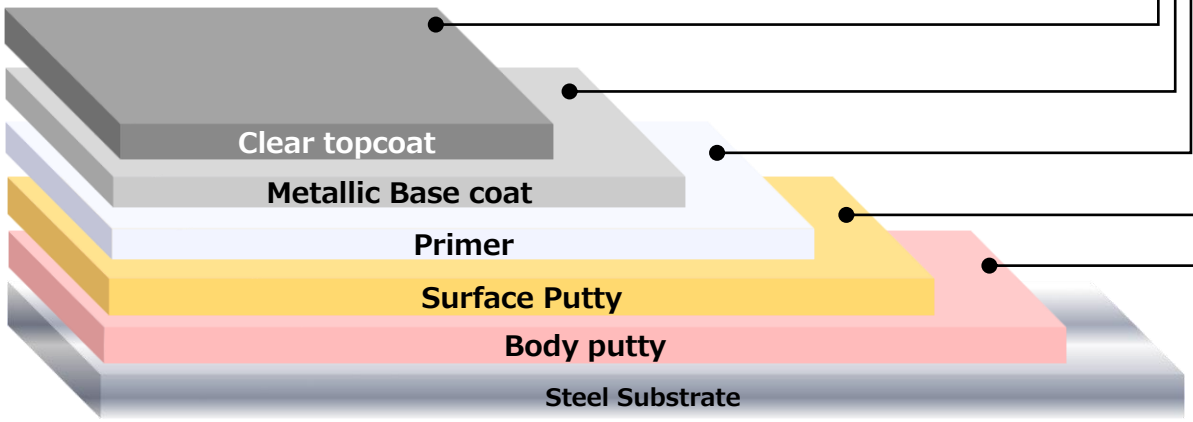
Automotive Refinishing

Automotive refinishing coatings



Clear topcoat
2KPU Acrylic

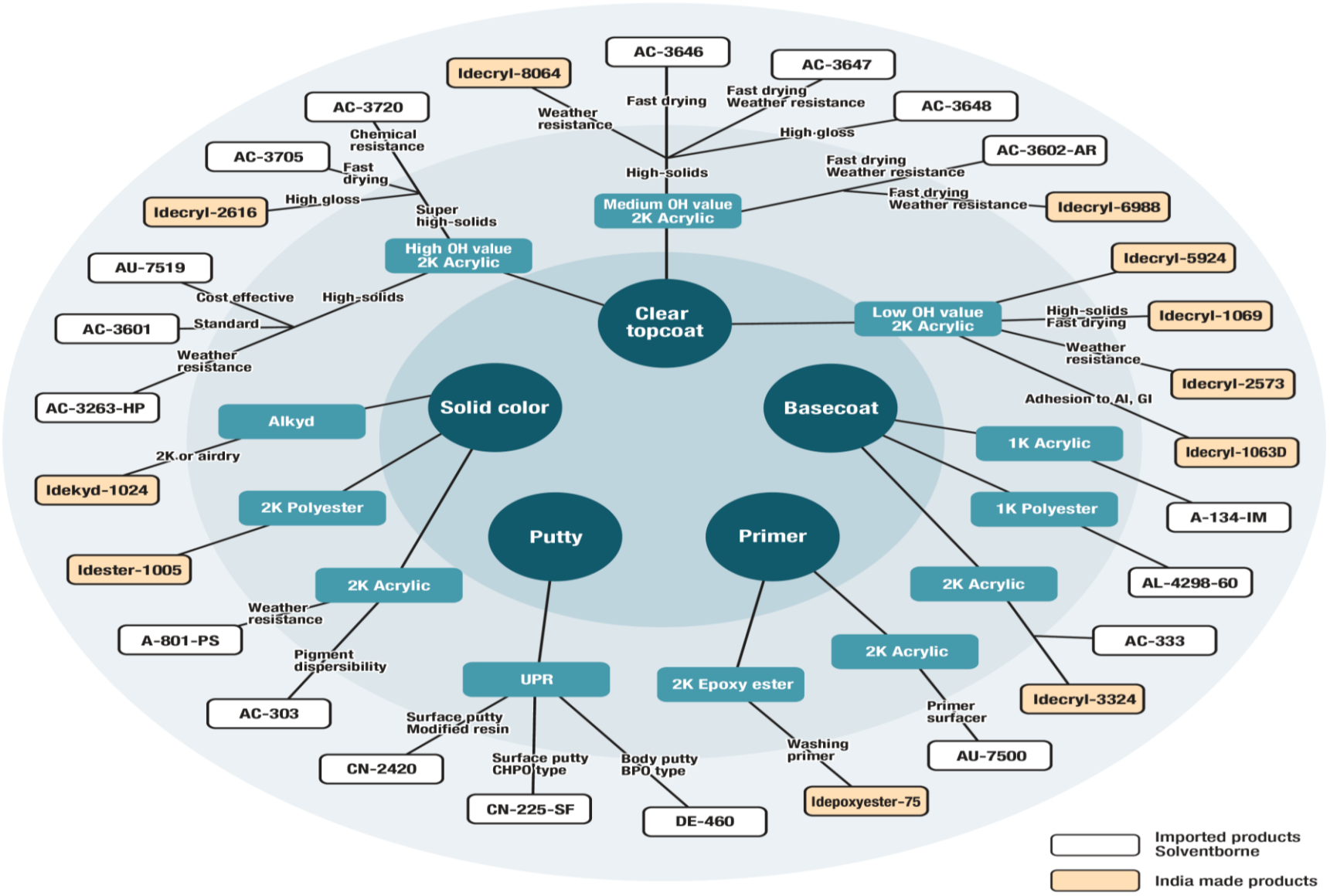
Metallic Base coat
•TPA
•Polyester

Primer
2KPU Acrylic

Surface Putty
Unsaturated polyester resin

Body Putty
Unsaturated polyester resin

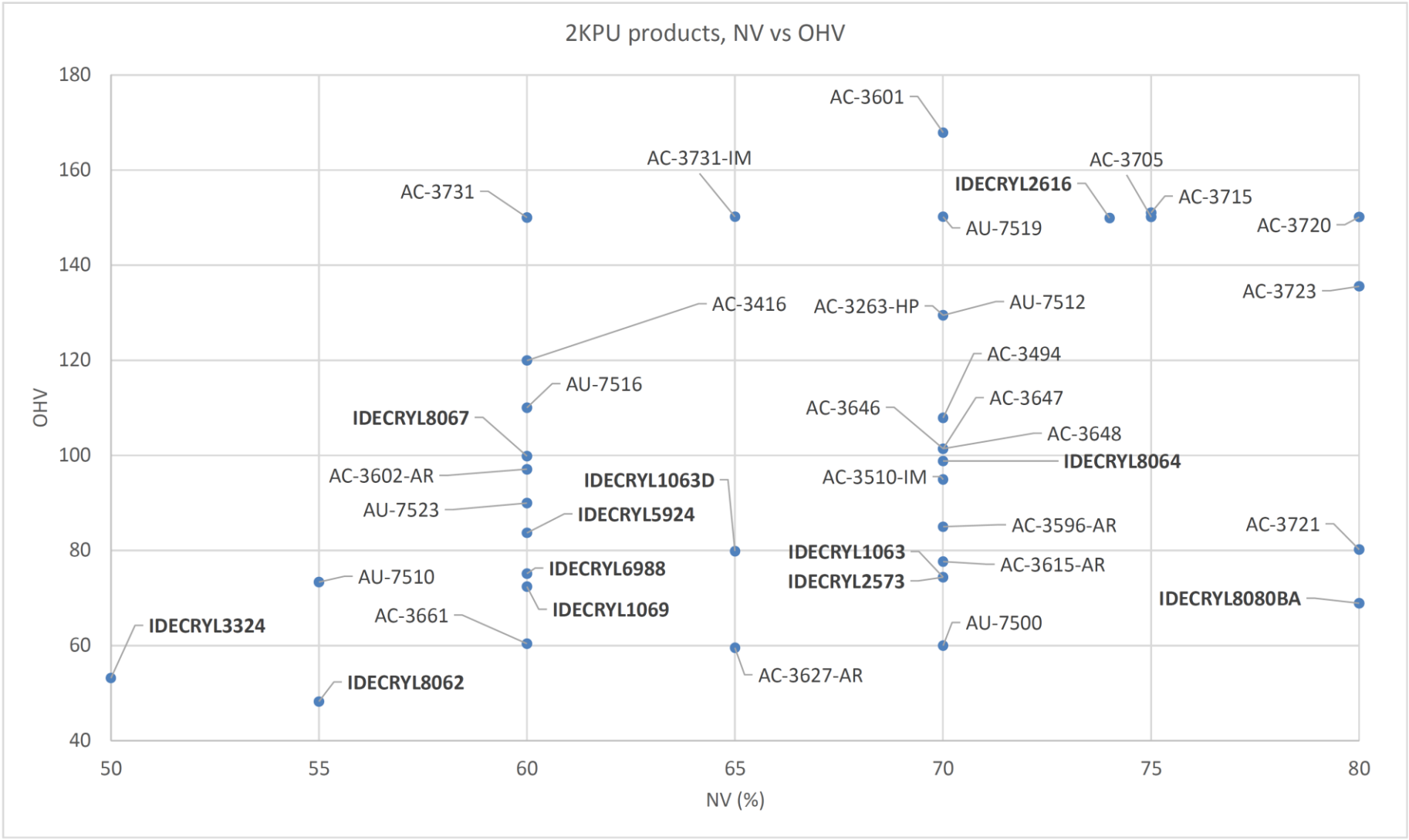
Products recommended for automotive refinishing



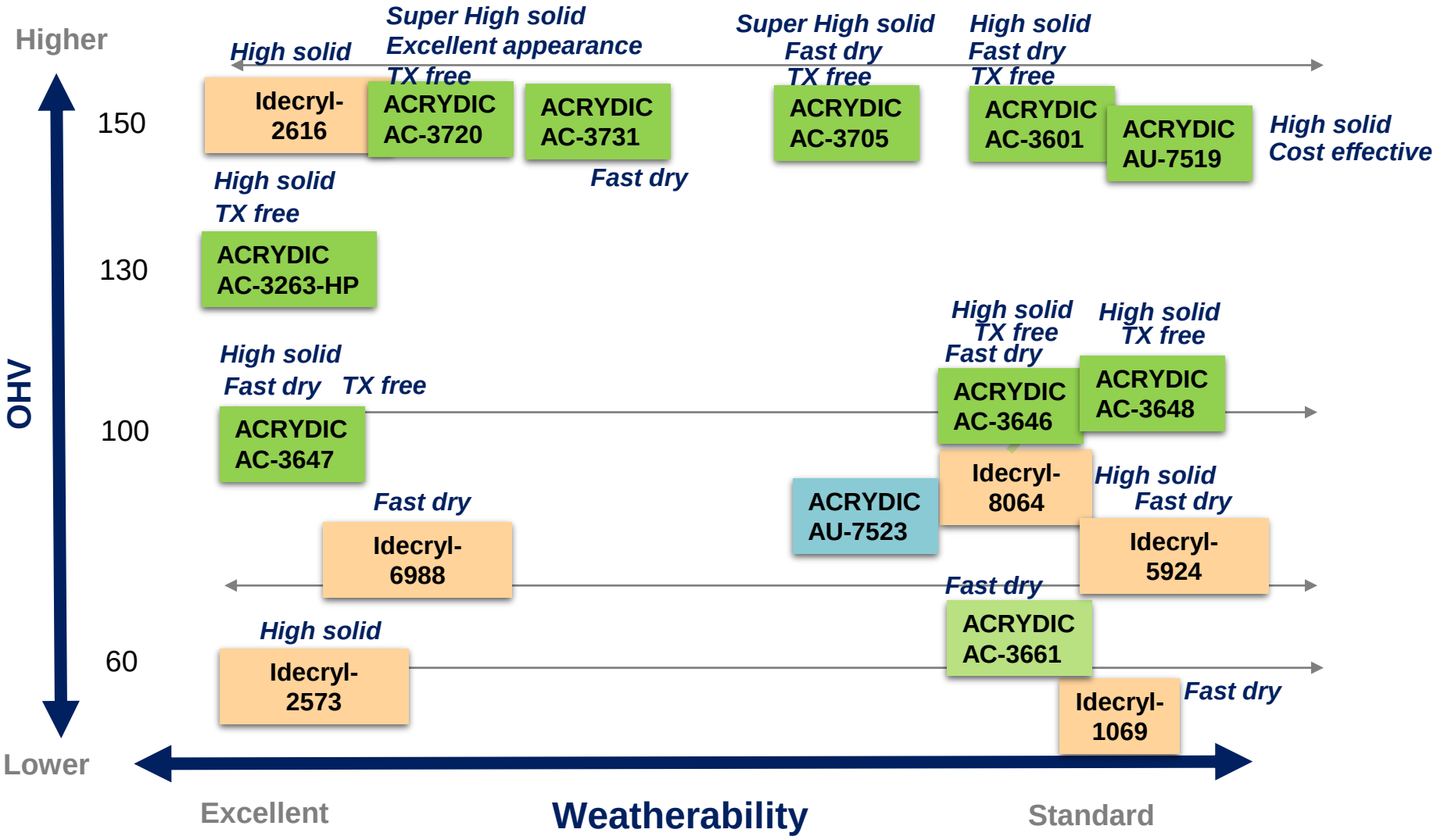
Automotive Refinishing

Clear topcoat

2KPU products, NV vs OHV



Clear topcoat



ACRYDIC AC-3720 OH functional acrylic resin for clear topcoat

- **Super high solids, low VOCs Acrylic – Environmentally friendly feature**

Specification	ACRYDIC AC-3720
NV (%)	79.0-81.0
Viscosity (Gardner)	Z2-Z4
OHv (mgKOH/g, solids)	145-155 (4.5%)
A.N. (mgKOH/g, solution)	4.0-9.0
Color (Gardner)	1 max.
Solvent	n-BuOAc

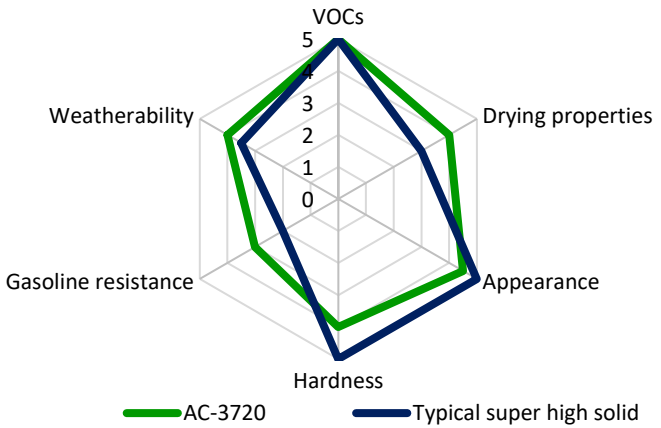
ACRYDIC AC-3720
Soventborne OH functional Acrylic resin

- Hybrid technology
- Super high solids, low VOCs
- High gloss and DOI
- Excellent chemical resistance

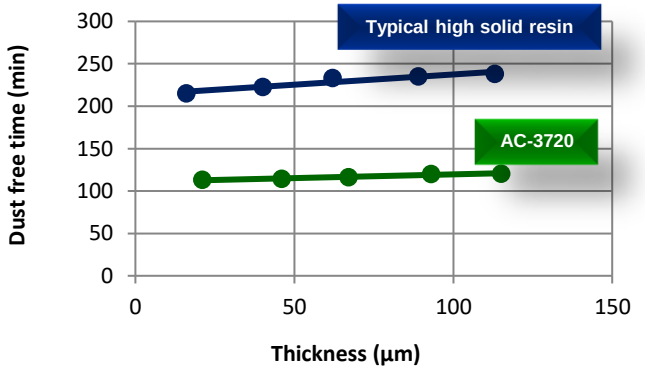
- High non-volatile content
- Slow dry

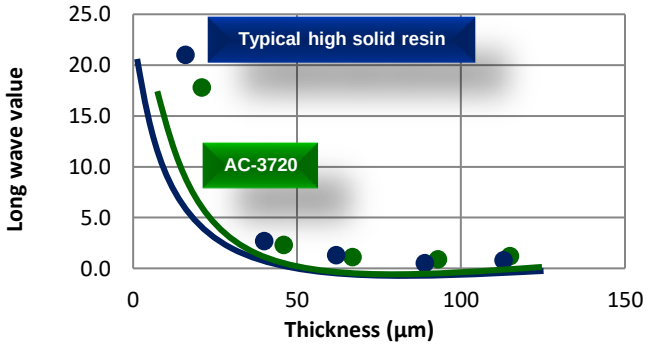
ACRYDIC AC-3720
- **High non-volatile content**
- **Fast dry**

- Low non-volatile content
- Fast dry



VOCs (based on suggested formulation) : < 420 g/L





ACRYDIC AU-7519 OH functional acrylic resin for clear topcoat

- **High gloss, excellent fuel resistance Acrylic – Premium segment Auto refinishing**

Specification	ACRYDIC AU-7519
NV (%)	69.0-71.0
Viscosity (Gardner)	Z2-Z4
OHv (mgKOH/g, solids)	145-155 (4.5%)
A.N. (mgKOH/g, solids)	4.0-10.0
Color (Gardner)	1 max.
Solvent	Xylene/n-BuOAc

ACRYDIC AU-7519

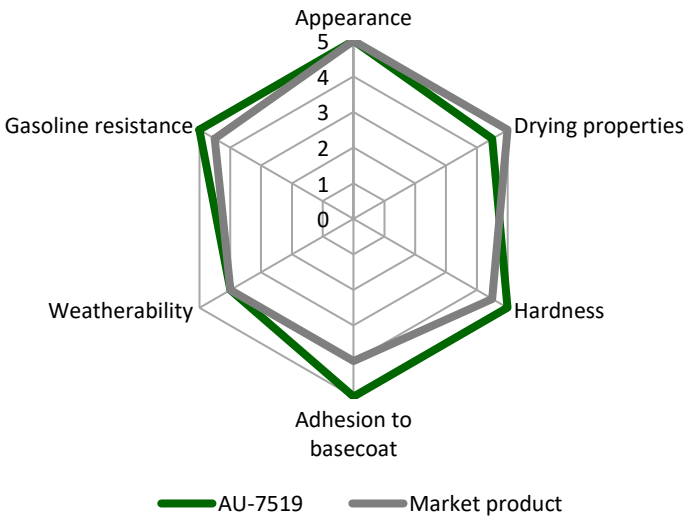
Soventborne OH functional Acrylic resin

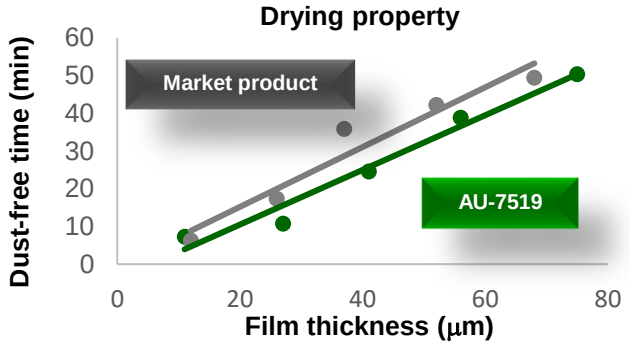
- High gloss and DOI
- Excellent fuel resistance

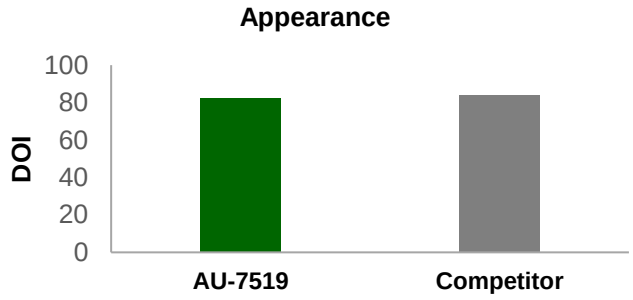
- Excellent appearance
- Slow dry

ACRYDIC AU-7519
- **Excellent appearance**
- **Fast dry**

- Poor appearance
- Fast dry







Idecryl-1069 OH functional acrylic resin for clear topcoat

- **Fast dry, good adhesion, excellent chemical resistance Acrylic – Economy segment Auto refinishing**

Specification	Idecryl-1069
NV (%)	58.0-62.0
Viscosity (Gardner)	Z1-Z2
OHv (mgKOH/g, solids)	70-75 (2.2%)
A.N. (mgKOH/g, solids)	8 max.
Color (Gardner)	1 max.
Solvent	Xylene

Idecryl-1069

Soventborne OH functional Acrylic resin

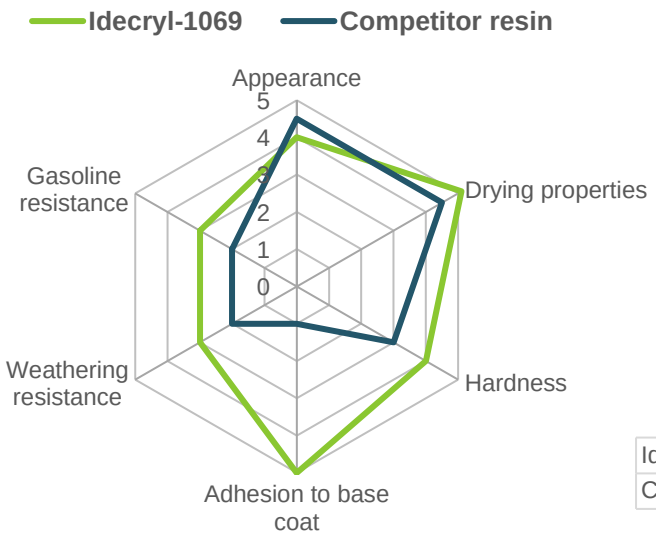
- Fast dry
- Good adhesion
- Excellent chemical resistance

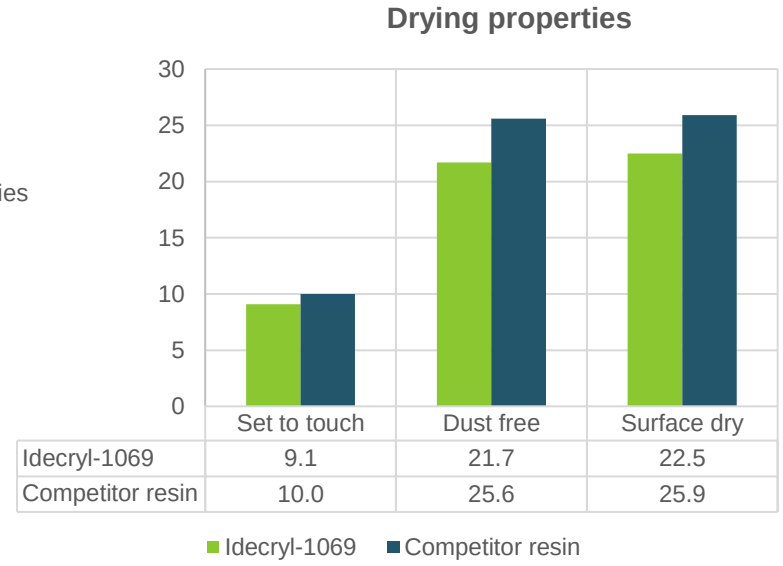
- Good adhesion
- Low hardness

Idecryl-1069

- **Good adhesion**
- **High hardness**

- Poor adhesion
- High hardness





ACRYDIC AU-7523 OH functional acrylic resin for clear topcoat

NEW

- **Fast dry, high gloss, excellent chemical resistance, Acrylic – Middle segment Auto refinishing**

Specification	ACRYDIC AU-7523
NV (%)	59.0-61.0
Viscosity (Gardner)	Z-Z3
OHv (mgKOH/g, solids)	85-95 (2.7%)
A.N. (mgKOH/g, solids)	4 max.
Color (Gardner)	1 max.
Solvent	Xylene

ACRYDIC AU-7523

Soventborne OH functional Acrylic resin

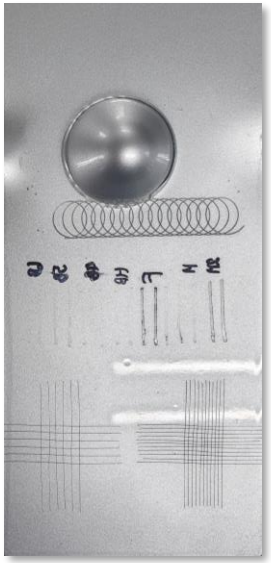
- High gloss, high DOI
- Fast dry
- Good adhesion
- Excellent chemical resistance

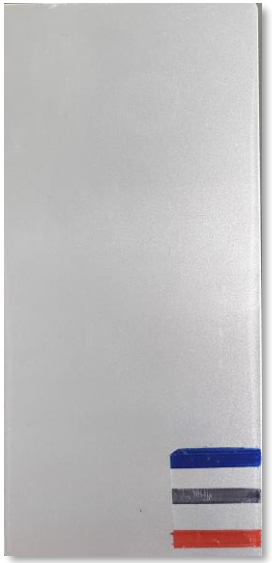
- Excellent appearance
- Slow dry

ACRYDIC AU-7523

- **Excellent appearance**
- **Fast dry**

- Poor appearance
- Fast dry





Automotive Refinishing

Metallic basecoat

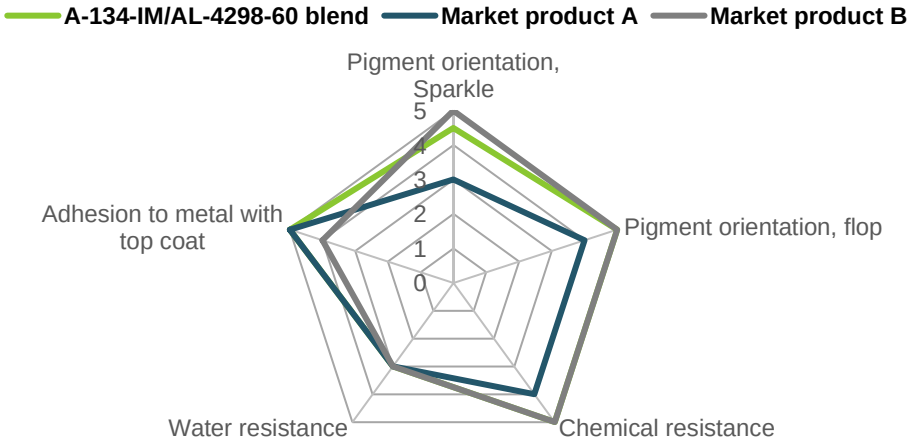
ACRYDIC A-134-IM / AL-4298-60 Metallic basecoat

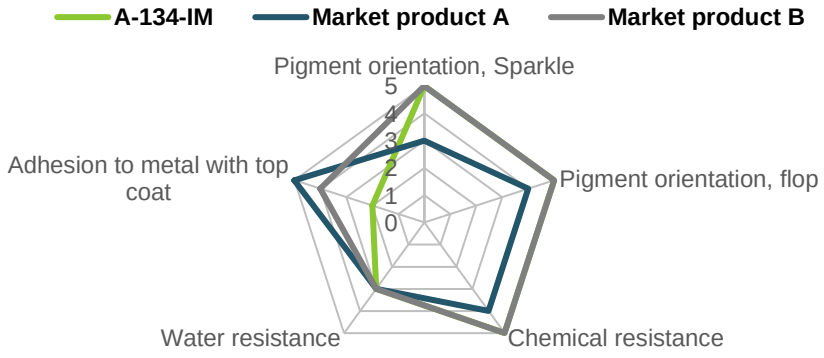
Specification	ACRYDIC A-134-IM
NV (%)	49.0-51.0
Viscosity (Gardner)	Z-Z3
A.N. (mgKOH/g, solids)	2-10
Color (Gardner)	1 max.
Solvent	Xylene, n-Butyl acetate

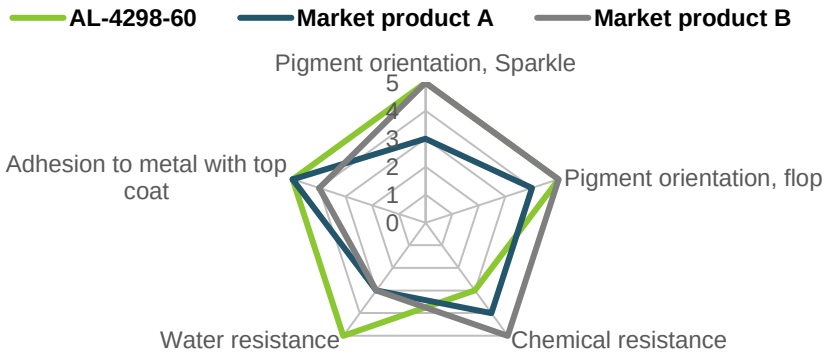
Specification	BECKOLITE AL-4298-60
NV (%)	59.0-61.0
Viscosity (Gardner)	V-X
A.N. (mgKOH/g, solids)	3-10
Color (Gardner)	1 max.
Solvent	Xylene, Propylene glycol methyl ether, Solvesso-100

ACRYDIC A-134-IM & BECKOLITE Al-4298-60

1K Metallic base coat prepared by Blending formulation







Automotive Refinishing

Primer

ACRYDIC AU-7500 Primer

Specification	ACRYDIC AU-7500
NV (%)	69.0-71.0
Viscosity (Gardner)	Z5-Z7
OHv (mgKOH/g, solids)	55-65 (1.8%)
A.N. (mgKOH/g, solids)	5 max.
Color (Gardner)	1 max.
Solvent	Xylene

Adhesion properties

Normal results
Excellent adhesion
Low sandability

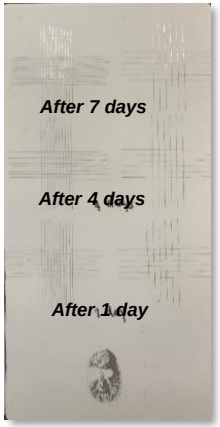
Innovation
Excellent adhesion
Good sandability

Normal results
Poor adhesion
High sandability

Sandability

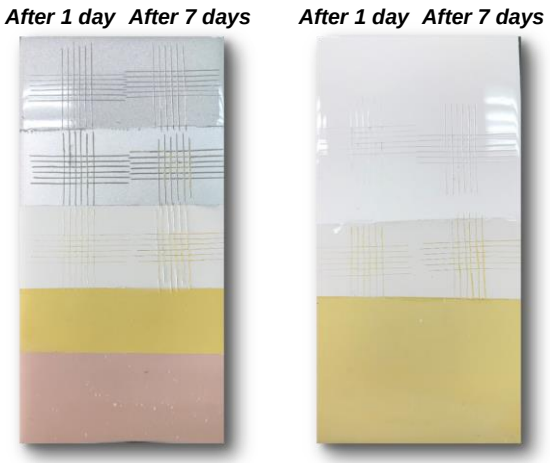
Adhesion properties by cross-cut at room temperature drying

Mild steel substrate

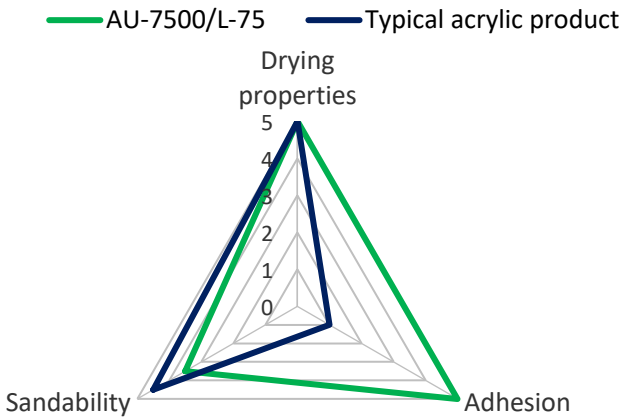


AU-7500 / Desmodur L-75

Surface putty substrate



AU-7500 / Desmodur L-75



ACRYDIC AU-7510 Primer

Specification	ACRYDIC AU-7510
NV (%)	54.0-56.0
Viscosity (Gardner)	Z-(Z1-Z2)
OHv (mgKOH/g, solids)	73 (2.2%)
A.N. (mgKOH/g, solution)	3.0-6.0
Color (Gardner)	1 max.
Solvent	Butyl acetate, Xylene

Adhesion properties

Normal results
Excellent adhesion
Low sandability

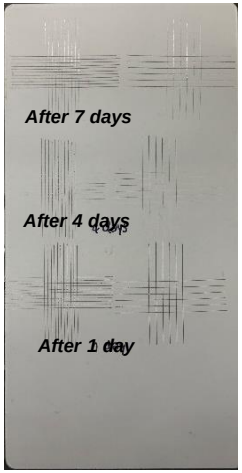
Innovation
Excellent adhesion
Good sandability

Normal results
Poor adhesion
High sandability

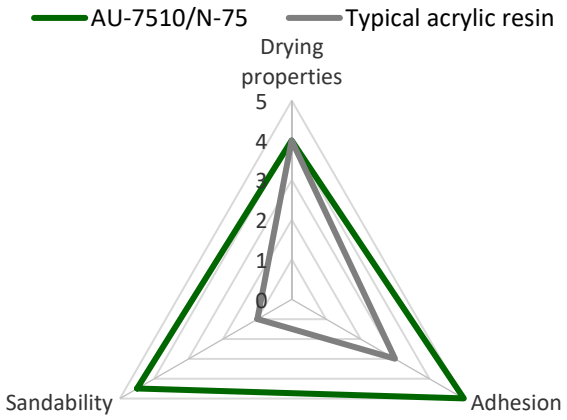
Sandability

Adhesion properties by cross-cut at room temperature drying

Mild steel substrate



AU-7510 / Desmodur N-75



Color & Comfort

DIC Corporation