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PT PARDIC JAYA CHEMICALS

a member of the DIC group 
Color & Comfort

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DIC Corporation

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Visit our coating resins webpage



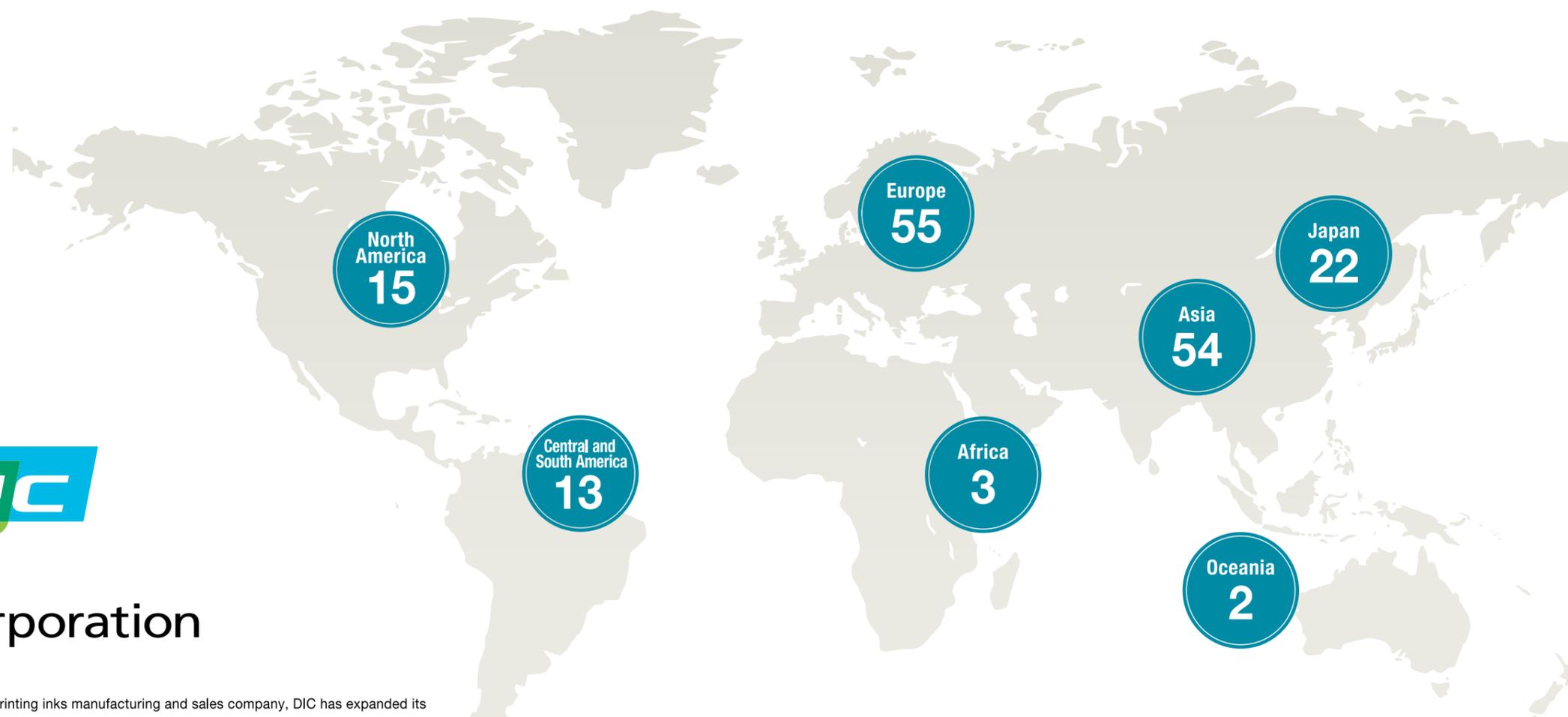
PRODUCT GUIDE

COATING RESINS 2026

India, Middle East, and Africa

DIC Corporation

We are a fine chemicals company that works to bring people “Color & Comfort”



Top share of key global markets

DIC’s printing inks, organic pigments, PPS compounds and other products are used in a wide range of industries in markets around the world.



DIC Corporation

Established in 1908 as a printing inks manufacturing and sales company, DIC has expanded its mainstay organic pigments and synthetic resins businesses while at the same time cultivating world-class related core technologies. Since then, DIC has leveraged these technologies to build a broad portfolio encompassing materials and finished products. This has enabled it to respond to market needs by providing customers in the automotive, electronics, food packaging, housing and other industries with solutions that bring “color” and “comfort” to people’s lives.

Looking ahead, DIC—today a multinational corporate group with operations in more than 60 countries and territories—will redouble its efforts to contribute to environmental protection and to the realization of a safe and sustainable society.

| Corporate data | | (As of September 30, 2025) |
|---------------------------------------|--|----------------------------|
| Company name | : DIC Corporation | |
| Headquarters | : DIC Building, 7-20, Nihonbashi 3-chome, Chuo-ku, Tokyo 103-8233, Japan | |
| Date of foundation | : February 15, 1908 | |
| Paid-in capital | : ¥96.6 billion | |
| Number of employees | : Consolidated 21,184, Non-consolidated 3,947 | |
| Number of subsidiaries and affiliates | : 171 (Domestic:24, Overseas:147) | |

DIC’s Business

Through three business groups which reorganized focusing value provided, the DIC Group works to provide products that respond to the needs of society and its customers. And New Business Development Headquarters is creating new businesses addressing local and global and social challenges.



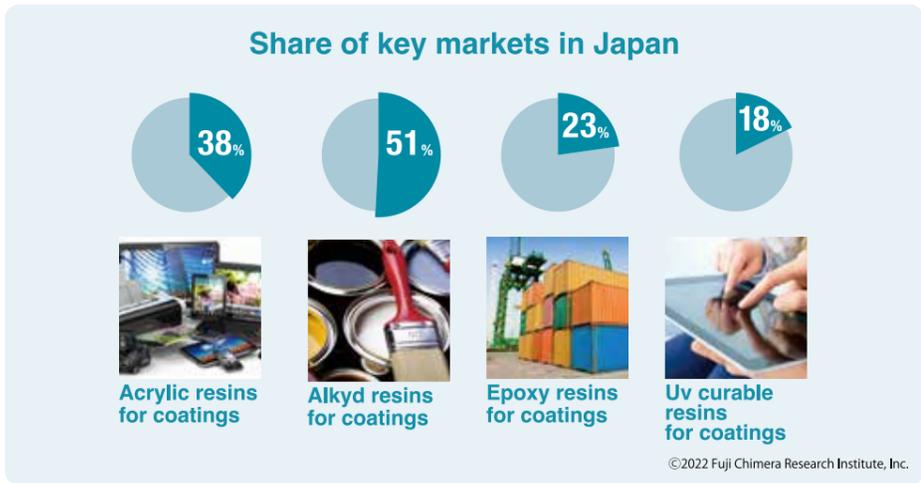
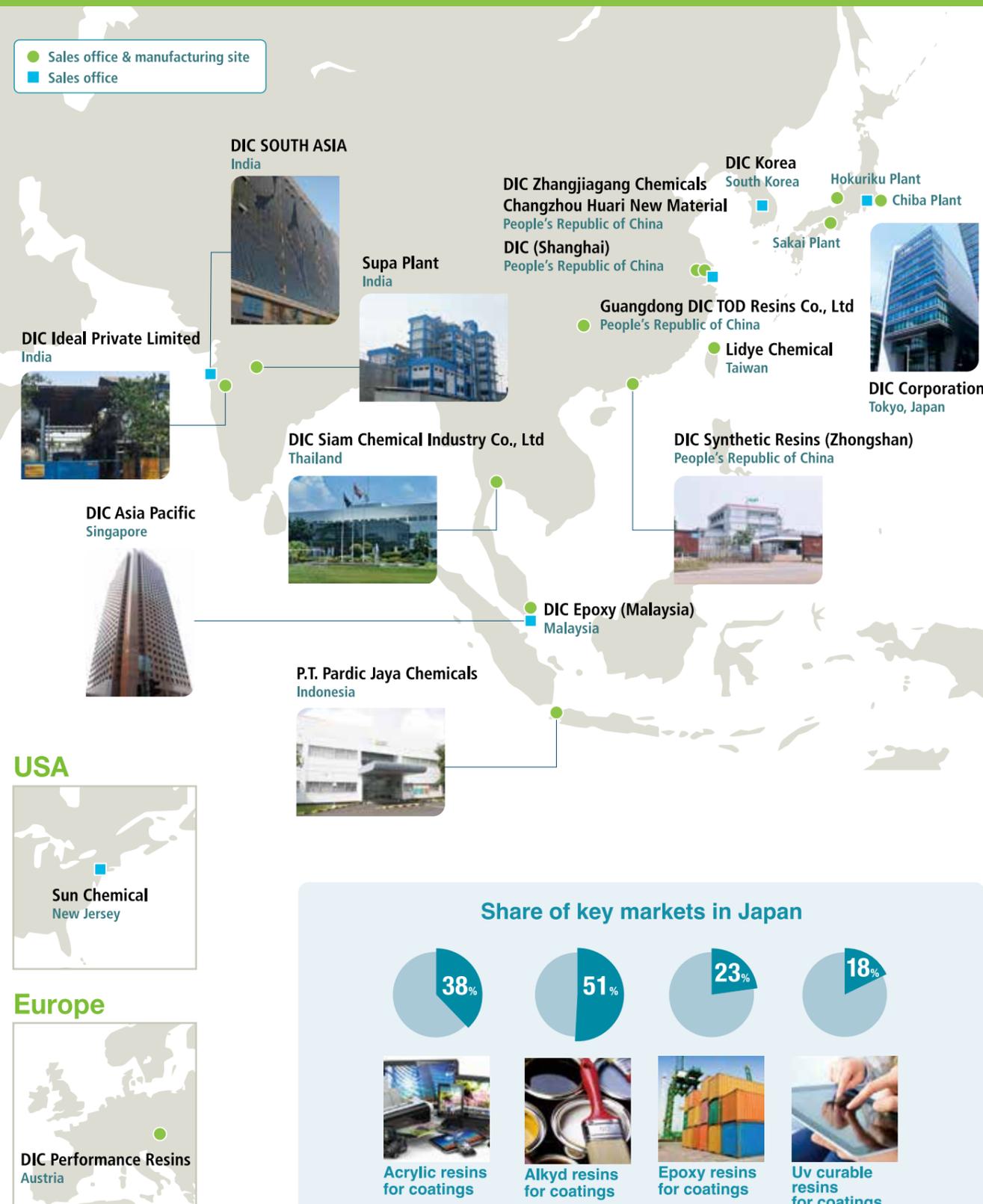
Packaging & Graphic
 Packaging materials that bring safety and peace of mind
 Packaging & Graphic Business Group
 Printing Material Products Division
 Packaging Material Products Division



Color & Display
 Color and display materials that make life colorful
 Color & Display Business Group
 Color Material Products Division



Functional Products
 Functional products that add comfort
 Functional Products Business Group
 Performance Material Products Division
 Composite Material Products Division
 Chemtronics Business Division



Automotive refinishing

P05

- Acrylic resins
- Unsaturated polyester resins (UPR)
- Polyester resins
- Epoxy ester resins
- Alkyd resins

Thermosetting metal coatings

P07

- Polyester resins
- Amino resins
- Acrylic resins
- Powder resins
- Alkyd resins

Protective coatings

P11

- Acrylic resins
- Waterborne epoxy & epoxy ester resins
- Epoxy resins
- Epoxy ester resins
- Polyamide resins
- Silicone modified resins
- Organic-inorganic hybrid resins
- Alkyd resins
- Waterborne alkyd resins

Plastic & glass coatings

P15

- Acrylic resins
- Olefin modified acrylic resins
- Alkyd resins

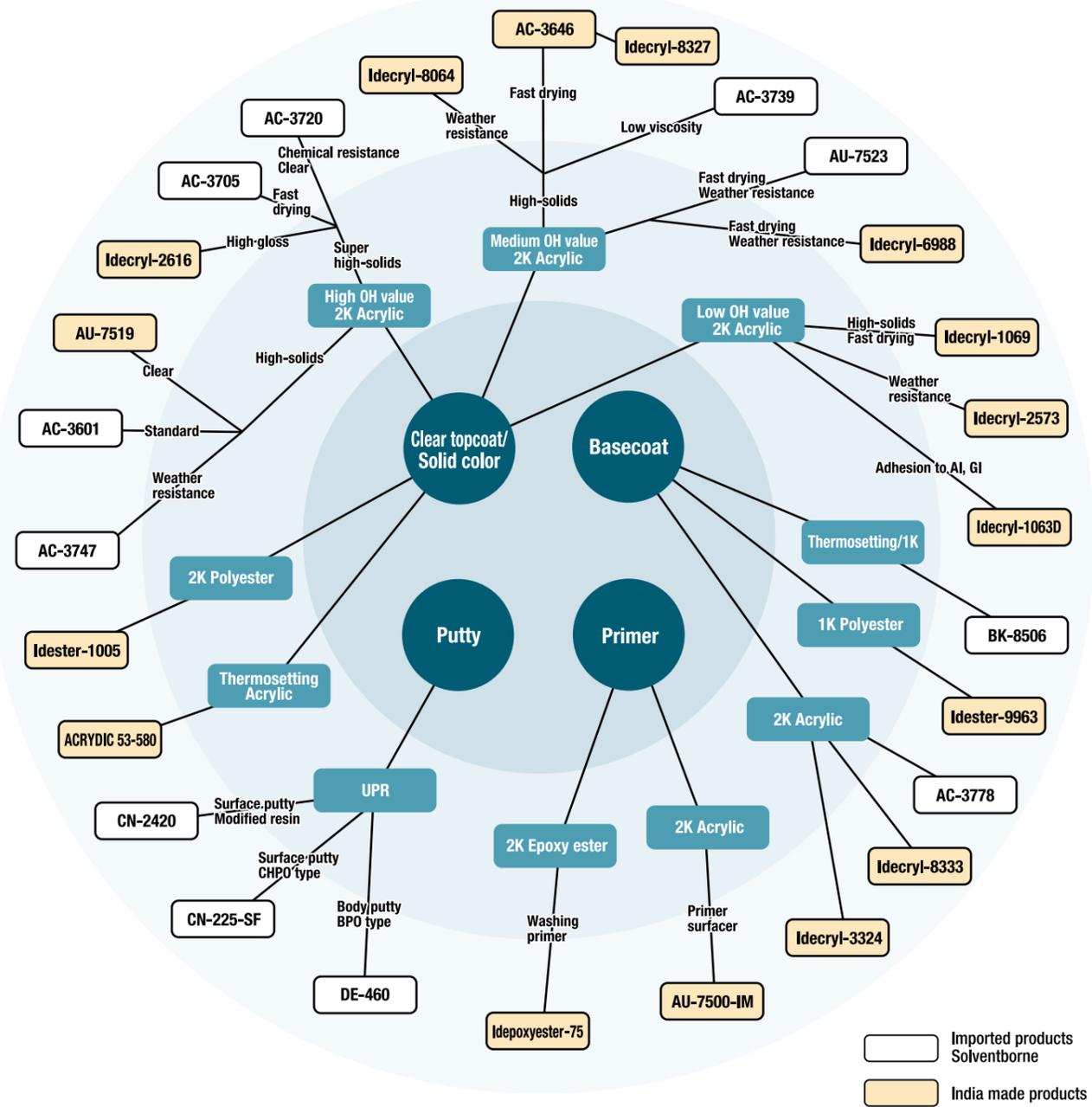
Wood coatings

P17

- Acrylic resins
- Alkyd resins
- Unsaturated polyester resins (UPR)
- Polyester resins
- Polyurethane resins



Product tree for automotive refinishing



Product characteristics for automotive refinishing

Clear topcoat/ Solid color

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Oil length | Type of oil | Color, Gardner | Features |
|----------------------------|-----------------|---------------------------------------|-------------------|---|-----------------------------|-------------------------|-------------------------------|------------|-------------|----------------|---|
| High OH value 2K Acrylic | ACRYDIC AC-3747 | n-Butyl acetate | 69.0 - 71.0 | Z2 - Z5 | 145 - 155 | 4.4 - 4.7 | 0 - 7.9* | - | - | 1 max. | High gloss, pigment dispersibility, chemical resistance |
| | ACRYDIC AC-3601 | n-Butyl acetate | 69.0 - 71.0 | Z2 - Z4 | 154 - 166 | 4.7 - 5.0 | 4 - 10* | - | - | 1 max. | High gloss, hardness, chemical resistance, fast drying |
| | ACRYDIC AU-7519 | Xylene, n-Butyl acetate | 69.0 - 71.0 | Z2 - Z4 | 145 - 155 | 4.4 - 4.7 | 4 - 10* | - | - | 1 max. | High gloss, hardness, chemical resistance, cost effective |
| | Idecryl-2616 | Xylene, n-Butyl acetate | 72.5 - 75.5 | Z3 - Z4 | 150 | 4.5* | 5 - 8 | - | - | 1 max. | High gloss (DOI), gasoline resistance |
| | ACRYDIC AC-3705 | n-Butyl acetate | 74.0 - 76.0 | Z4 - Z6 | 145 - 155 | 4.4 - 4.7 | 6 max.* | - | - | 1 max. | Super high-solids, chemical resistance |
| Medium OH value 2K Acrylic | Idecryl-8064 | Xylene | 68.0 - 72.0 | 48 - 58 (Seconds, 30°C, Ford cup #4, 77% solution in Butyl acetate) | 95 - 105 | 2.9 - 3.2* | 5 max. | - | - | 1 max. | High gloss, weather resistance |
| | ACRYDIC AC-3646 | n-Butyl acetate | 69.0 - 71.0 | Z3 - Z6 | 90 - 100 | 2.7 - 3.0 | 5 max.* | - | - | 1 max. | Fast drying, high gloss, adhesion |
| | Idecryl-8327 | Xylene, n-Butyl acetate | 68.0 - 72.0 | 98 - 148 (Poises) | 95 - 105 | 2.9 - 3.2 | 8 max.* | - | - | 1 max. | High gloss, adhesion to metal, gasoline resistance |
| | ACRYDIC AC-3739 | n-Butyl acetate | 69.0 - 71.0 | W - Z | 85 - 95 | 2.5 - 2.9 | 5.7 max.* | - | - | 1 max. | Fast drying, high gloss, low viscosity |
| | ACRYDIC AU-7523 | Xylene | 59.0 - 61.0 | Z - Z3 | 85 - 95 | 2.5 - 2.9 | 6.7 max.* | - | - | 1 max. | Fast drying, high gloss |
| Low OH value 2K Acrylic | Idecryl-6988 | Cellosolve acetate, Xylene | 58.0 - 62.0 | Z1 - Z3 | 75 - 85 | 2.3 - 2.8* | 5 max. | - | - | 1 max. | Fast drying, weather resistance |
| | Idecryl-1069 | Xylene | 58.0 - 62.0 | Z1 - Z2 | 70 - 75 | 2.1 - 2.3* | 8 max. | - | - | 1 max. | Fast drying |
| | Idecryl-2573 | Xylene | 68.0 - 72.0 | Z3 - Z4 | 68 - 72 | 2.1 - 2.2* | 8 max. | - | - | 1 max. | Weather resistance |
| 2K Polyester | Idecryl-1063D | Xylene | 63.0 - 67.0 | 150 - 200 (Poises) | 75 - 85 | 2.3 - 2.6* | 12 max. | - | - | 1 max. | Adhesion to aluminium and galvanized steel (GI) |
| Thermosetting Acrylic | Idecryl-1063D | Xylene | 63.0 - 67.0 | 150 - 200 (Poises) | 75 - 85 | 2.3 - 2.6* | 12 max. | - | - | 1 max. | Adhesion to aluminium and galvanized steel (GI) |
| 2K Polyester | Idecryl-1005 | Xylene | 68.0 - 72.0 | 20 - 30 (Poises) | 95 - 105 | 2.9 - 3.2* | 10 max. | - | - | 2 max. | High gloss, compatibility with CAB |
| Thermosetting Acrylic | ACRYDIC 53-580 | Xylene / n-Butanol / Butyl cellosolve | 59.0 - 61.0 | X - Z | - | - | 8 max.* | - | - | 1 max. | Corrosion Resistance & Anti-staining |

* Calculated from solution value

Basecoat

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|---------------|-----------------|-------------------------------------|-------------------|--------------------|-----------------------------|-------------------------|-------------------------------|----------------|--|
| Thermosetting | ACRYDIC BK-8506 | Xylene, n-Butanol | 64.0 - 66.0 | Z5 - Z8 | - | - | 20 max. | 1 max. | Compatibility with CAB, adhesion, aluminium orientation |
| 1K Polyester | Idecryl-9963 | C9, Methoxy propyl Acetate & Xylene | 58 - 62 | V - X | 80 | 2.42 | 2.0 - 6 | 1 max. | High hardness, Very good adhesion Good chemical Resistance |
| 2K Acrylic | ACRYDIC AC-3778 | Xylene / Butyl acetate | 49 - 51 | X - Z1 | 50 - 60 | 1.5 - 1.8 | 3 max. | 1 max. | Fast drying, Adhesion Space missing |
| | Idecryl-8333 | n-Butyl acetate | 28.0 - 32.0 | 46 - 98 (Poises) | 45 - 55 | 1.4 - 1.7* | 6 max. | 1 max. | Minimum CAB required |
| | Idecryl-3324 | n-Butyl acetate | 48.0 - 52.0 | 20 - 40 (Poises) | 45 - 48 | 1.4 - 1.5* | 6 max. | 1 max. | Compatibility with CAB |

* Calculated from solution value

Primer

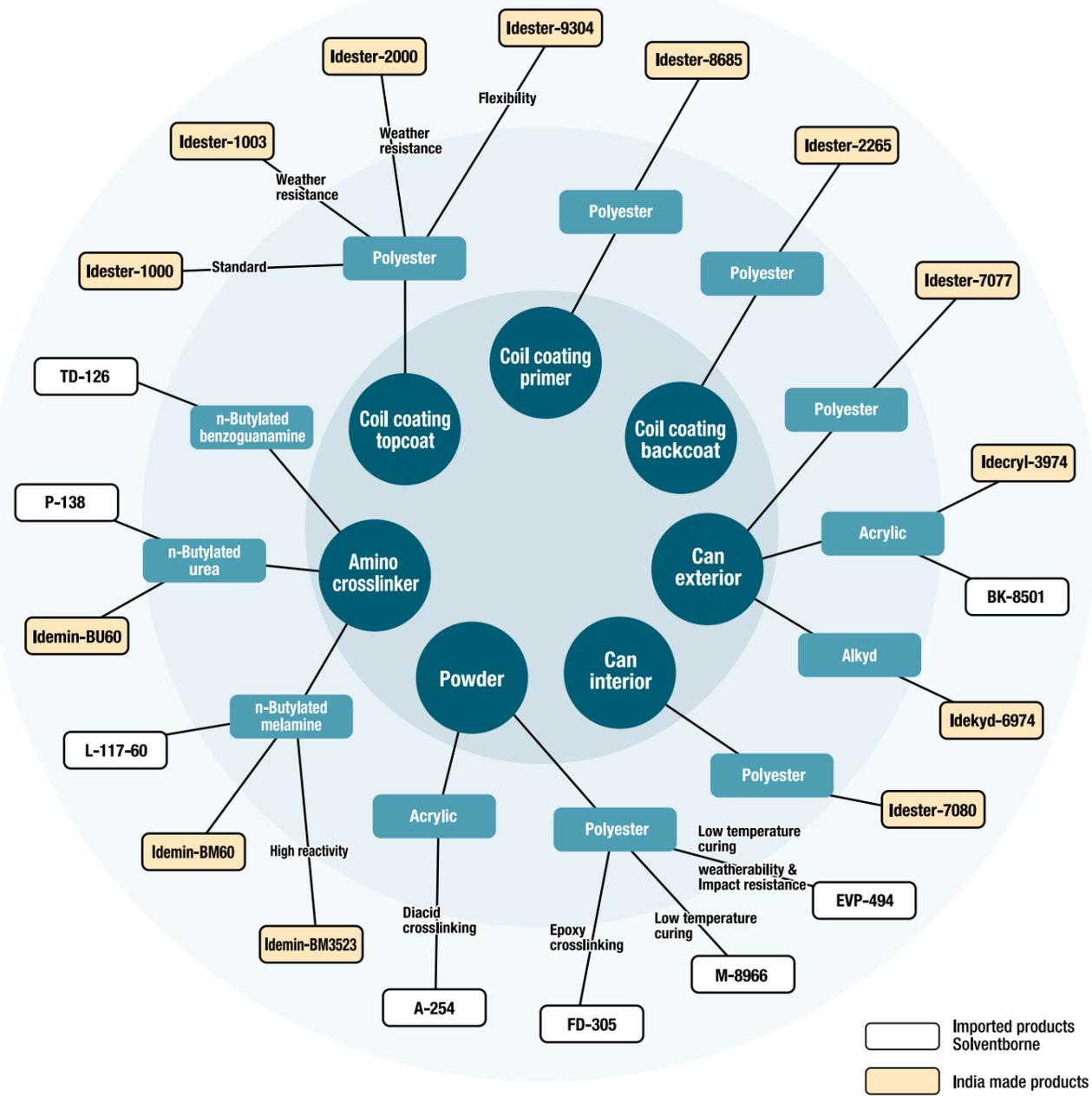
| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | EEW on solids, g/eq | Color, Gardner | Features |
|----------------|--------------------|---------|-------------------|--------------------|-----------------------------|-------------------------|-------------------------------|---------------------|----------------|---|
| 2K Acrylic | ACRYDIC AU-7500-IM | Xylene | 69 - 71 | Z4 - Z6 | 55 - 65 | 1.7 - 2.0 | 6 max.* | - | 1 max. | Adhesion to metal. Fast drying. Sandability. High solids. |
| 2K Epoxy ester | Idecryl-75 | Xylene | 73.0 - 77.0 | 46 - 148 (Poises) | 80 - 90 | 2.4 - 2.7* | 5 max. | 625 - 775 | 10 max. | Adhesion to untreated metal surface |

* Calculated from solution value

Putty

| Type | Product name | Viscosity, Gardner | Gel time, minutes at 25°C | Gel time, methods at 25°C* | Features |
|------|--------------------|--------------------|---------------------------|----------------------------|--|
| UPR | SUNDHOMA DE-460 | M - P | 6.30 - 7.30 | PGT - SF | Hardness, sandability, flexibility, adhesion |
| | SUNDHOMA CN-225-SF | M - P | 12.00 - 18.00 | PGT - SF | Fast drying, sandability, workability |
| | SUNDHOMA CN-2420 | Q - S | 10.00 - 16.00 | PGT - SF | Adhesion to galvanized steel (GI) and aluminium, heat resistance |

Product tree of thermosetting resins for metal coatings



Product characteristics of thermosetting resins for metal coatings

Coil coating topcoat

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|--------------|--------------|--------------------------------|-------------------|--------------------|-----------------------------|-------------------------|-------------------------------|----------------|---|
| Polyester | Idester-1000 | Solvesso-150, Butyl cellosolve | 58.0 - 62.0 | Z - Z2 | 45 - 55 | — | 10 max.* | 1 max. | General purpose |
| | Idester-1003 | Solvent CX, Butyl cellosolve | 63.0 - 67.0 | X - Z | 45 - 55 | — | 10 max. | 1 max. | Weather resistance |
| | Idester-2000 | Solvesso-150, Butyl cellosolve | 63.0 - 67.0 | Z - Z1 | 45 - 55 | — | 10 max.* | 2 max. | Hydrolysis stability, weather resistance |
| 1K Polyester | Idester-9304 | Solvent CIX/ Butyl cellosolve | 63.0 - 67.0 | Z1 - Z2 | 40 - 50 | 1.2 - 1.5 | 10 max. | 2 max. | Excellent Flexibility Excellent Hydrolytic Stability |

* Calculated from solution value

Coil coating primer

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|-----------|--------------|------------------------------|-------------------|---|-----------------------------|-------------------------------|----------------|--|
| Polyester | Idester-8685 | Solvent CX, Butyl cellosolve | 63.0 - 67.0 | 55 - 65 (seconds, 30°C, Fordcup B-4, 75% resin solution in Butyl cellosolve/Solvent CX 1:1) | 25 - 35 | 5 max.* | 2 max. | Excellent Adhesion Hydrolytic stability |

* Calculated from solution value

Coil coating backcoat

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|-----------|--------------|--------------------------------|-------------------|--------------------|-----------------------------|-------------------------------|----------------|---------------|
| Polyester | Idester-2265 | Solvesso-150, Butyl cellosolve | 63.0 - 67.0 | X - Z | 130 - 150 | 10 max.* | 1 max. | Foam adhesion |

* Calculated from solution value

Can exterior

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | Acid value on solids, mgKOH/g | Oil length | Type of oil | Color, Gardner | Features |
|-----------|-----------------|--------------------------------|-------------------|---|-------------------------------|------------|-------------|----------------|--|
| Polyester | Idester-7077 | Solvent CX | 58.0 - 62.0 | Z3 - Z5 | 10 max. | — | — | 1 max. | Good tooling property, high gloss, Non-yellowing |
| Acrylic | Idecryl-3974 | Butyl cellosolve | 38.0 - 42.0 | W - Y | 80 - 90 | — | — | 1 max. | Hardness, high gloss |
| | ACRYDIC BK-8501 | Solvesso-150, Butyl cellosolve | 56.5 - 59.0 | X - Z2 | 61 - 72 | — | — | 1 max. | Flexibility, adhesion, sterilization and solvent resistances |
| Alkyd | Idekyd-6974 | Solvent CX | 68.0 - 72.0 | 60 - 80 (seconds, 30°C, Ford cup B-4, 50% resin solution in Solvent CX) | 15 max. | 38 | — | 6 max. | Non-yellowing, high gloss |

Can interior

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|-----------|--------------|------------------------------|-------------------|--------------------|-----------------------------|-------------------------------|----------------|------------------------------------|
| Polyester | Idester-7080 | Butyl cellosolve, Solvent CX | 63.0 - 67.0 | Y - Z1 | 80 - 100 | 10 max. | 2 max. | Can be a substitute of epoxy resin |

Powder

| Type | Product name | Function value | Unit | Softening point | Methods | Features |
|-----------|-----------------|----------------|-------------------------------|-----------------|---------------------|--|
| Polyester | FINEDIC EVP-494 | 33.0 - 37.0 | Acid value on solids, mgKOH/g | 109 - 112 | Melt Index at 125°C | Carboxyl functional polyester Low temperature curing. Pigment dispersibility Weathering Resistance |
| | FINEDIC M-8966 | 27.5 - 37.5 | Acid value, mgKOH/g | 111 - 115 | Ring & Ball, °C | Low temperature curing, superdurable |
| | FINEDIC FD-305 | 30.0 - 36.0 | Acid value, mgKOH/g | 106 - 112 | Ring & Ball, °C | Carboxyl functional polyester, flow ability, impact resistance, corrosion resistance, storage stability as paint |
| Acrylic | FINEDIC A-254 | 515 - 555 | EEW, g/eq | 46 - 54 | Melt Index at 125°C | Epoxy functional acrylic resin, high gloss, corrosion resistance |

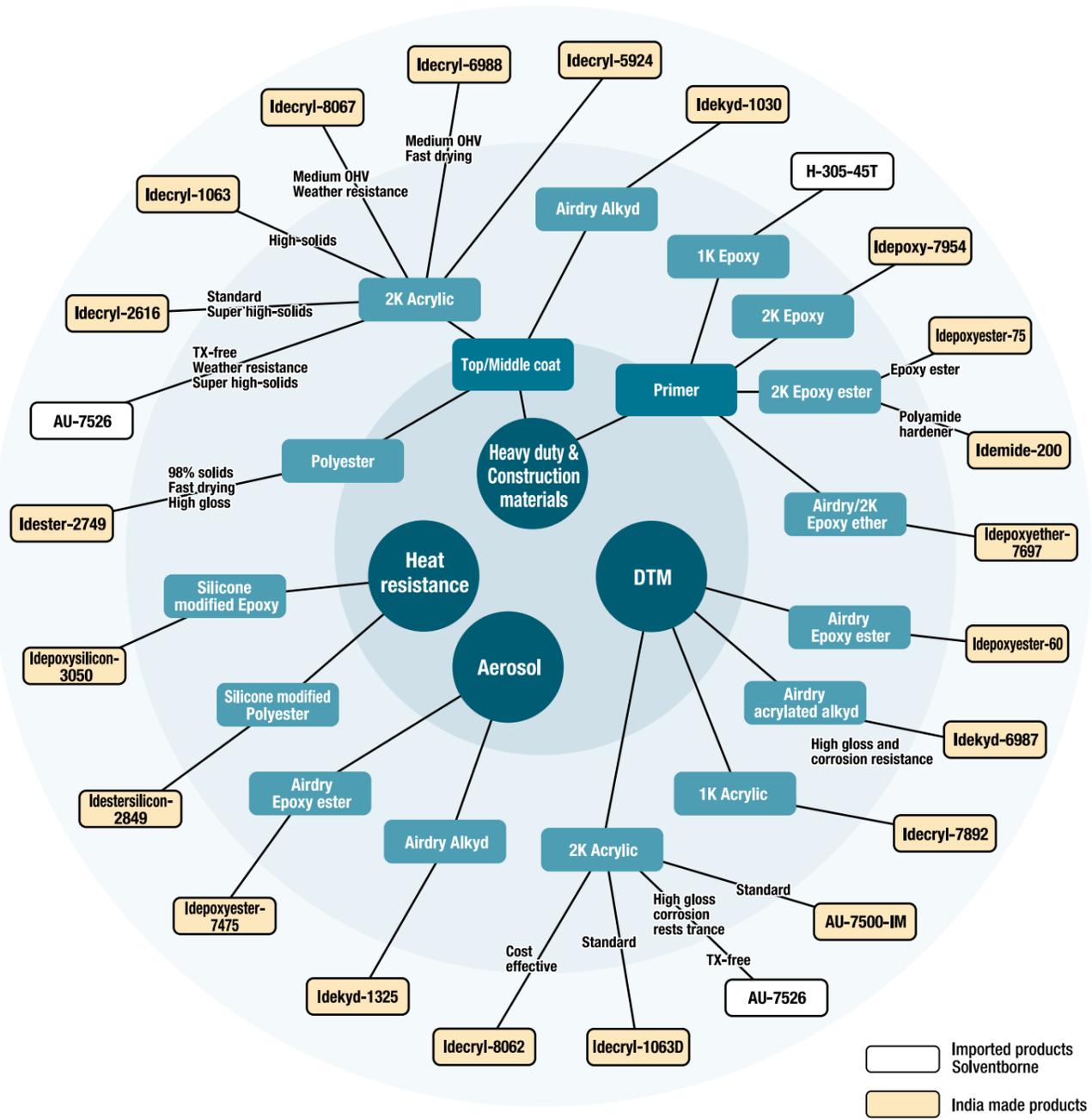
Product characteristics of thermosetting resins for metal coatings

Amino crosslinker

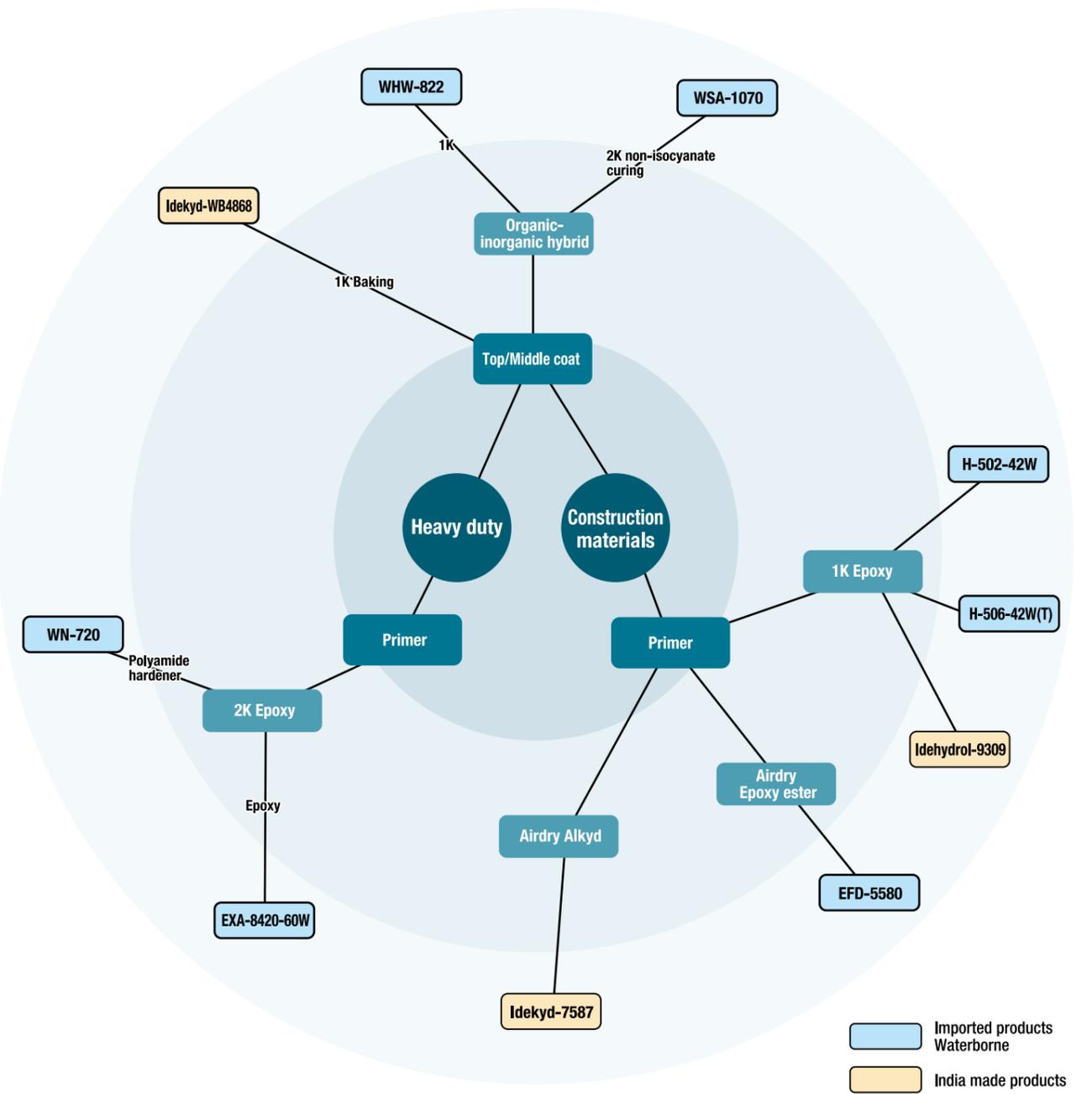
| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|----------------------------|-----------------|--------------------------------------|-------------------|--------------------|-------------------------------|----------------|---|
| n-Butylated melamine | AMIDIR L-117-60 | n-Butanol, Xylene | 58.0 - 62.0 | F - J | 2 max.* | 1 max. | Compatibility with acrylic resins |
| | Idemin-BM60 | n-Butanol, Xylene | 60.0 - 64.0 | 3 - 6 (Poises) | 2 max. | 1 max. | Compatibility with acrylic and polyester resins |
| | Idemin-BM3523 | n-Butanol, Xylene | 58.0 - 62.0 | 8 - 12 (Poises) | 2 max. | 1 max. | High reactivity |
| n-Butylated urea | AMIDIR P-138 | Xylene, n-Butanol, Methanol, Ethanol | 59.0 - 63.0 | R - T | 2 - 7* | 1 max. | Compatibility with epoxy resins, low temperature curing |
| | Idemin-BU60 | n-Butanol, Xylene | 58.0 - 62.0 | 10 - 20 (Poises) | 4 max. | 1 max. | Low free formaldehyde |
| n-Butylated benzoguanamine | AMIDIR TD-126 | Xylene, n-Butanol | 58.0 - 62.0 | A1 - C | 2 max.* | 1 max. | Flexibility, high gloss |

* Calculated from solution value

Product tree for protective coatings (solventborne)



Product tree for protective coatings (waterborne)



Product characteristics for protective coatings

Heavy duty & Construction materials

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|-----------------------|-------------------|--|-------------------|---|--|-------------------------|-------------------------------|----------------|---|
| 1K Epoxy | EPICLON H-305-45T | Toluene, Xylene, n-Butanol, Methoxy propyl acetate | 44.0 - 46.0 | Z1 - Z4 | — | — | — | 3 max. | Adhesion, pigment dispersibility, anti-corrosion |
| 2K Epoxy | Idepoxy-7954 | Xylene | 73.0 - 77.0 | W - Y | 620 - 680 (EEW on solids, g/eq) | — | — | 18 max. | High-solids, low viscosity, hardness, chemical resistance |
| Polyester | Idester-2749 | — | 96.0 - 100.0 | 20 - 40 (Poises) | 155 - 165 | 4.7 - 5.0* | 3 max. | 6 - 8 | Fast drying, high gloss |
| 2K Acrylic | ACRYDIC AU-7526 | n-Butyl acetate | 79.0 - 81.0 | Z5 - Z7 | 130 - 140 | 3.9 - 4.2 | 15 max.* | 1 max. | Super high solids, adhesion to metal, anti-corrosion |
| | Idecryl-2616 | Xylene, n-Butyl acetate | 72.5 - 75.5 | Z3 - Z4 | 150 | 4.5* | 5 - 8 | 1 max. | High gloss (DOI), gasoline resistance |
| | Idecryl-1063 | Xylene | 68.0 - 72.0 | 80 - 100 (Seconds, Ford cup #4, 50% solution in xylene, 30°C) | 70 - 73 | 2.1 - 2.2* | 8 max. | 1 max. | Intercoat adhesion |
| | Idecryl-8067 | Xylene, Methoxy propyl acetate | 58.0 - 62.0 | Z1 - Z3 | 90 - 100 | 2.7 - 3.0* | 5 max. | 1 max. | Anti-corrosion |
| | Idecryl-6988 | Cellosolve acetate, Xylene | 58.0 - 62.0 | Z1 - Z3 | 75 - 85 | 2.3 - 2.8* | 5 max. | 1 max. | Fast drying |
| | Idecryl-5924 | Xylene | 58.0 - 62.0 | Z - Z1 | 75 - 95 | 2.3 - 2.9 | 8 max.* | 1 max. | Fast drying |
| Airdry Alkyd | Idekyd-1030 | Xylene | 53.0 - 57.0 | 40 - 60 (Poises) | 90 - 110 | 2.7 - 3.3* | 20 max. | 6 max. | Oil length=28, type of oil=Soybean, fast drying, high gloss |
| Airdry/2K Epoxy ether | Idepoxyether-7697 | Xylene | 63.0 - 67.0 | 40 - 60 (Seconds, Ford cup #4, 40% solution in xylene, 30°C) | 73 - 78 | 2.2 - 2.4* | — | 18 max. | Anti-corrosion |
| 2K Epoxy ester | Idepoxyester-75 | Xylene | 73.0 - 77.0 | 46 - 148 (Poises) | 625 - 775 (EEW on solids, g/eq) | 2.4 - 2.7 | 5 max. | 10 max. | Adhesion on untreated metal surfaces |
| | Idemide-200 | Xylene, n-Butanol | 50.0 - 54.0 | 6 - 12 (Poises, 30°C) | 180 - 220 (Amine value on solids, mgKOH/g) | — | — | 10 max. | Polyamide hardener, no blushing in humid climate |

* Calculated from solution value

DTM

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Oil Length | Type of Oil | Color, Gardner | Features |
|--------------------|--------------------|-----------------|-------------------|------------------------|-----------------------------|-------------------------|-------------------------------|------------|-------------|----------------|--|
| Airdry Epoxy ester | Idepoxyester-60 | Xylene | 58.0 - 62.0 | 15 - 35 (Poises(30°C)) | 120 - 130 | 3.6 - 3.9 | 5 max. | — | — | 8 max. | Anti-corrosion |
| Alkyd | Idekyd-6987 | Xylene | 53 - 57 | Z7 - Z8 | 90 - 110 | 2.7 - 3.3 | 20 max. | Medium | Soya | 4 max. | Fast drying. Excellent recoatability. |
| 1K Acrylic | Idecryl-7892 | Xylene | 49 - 51 | X - Z | — | — | 5 max. | — | — | 1 max. | High gloss. Adhesion to metal substrates. Flexibility Can be used as 1K |
| 2K Acrylic | ACRYDIC AU-7500-IM | Xylene | 69.0 - 71.0 | Z4 - Z6 | 55 - 65 | 1.7 - 2.0 | 1.4 - 5.7 | — | — | 1 max. | High gloss, adhesion to metal, physical properties, chemical resistance, sandability |
| | ACRYDIC AU-7526 | n-Butyl acetate | 79.0 - 81.0 | Z5 - Z7 | 130 - 140 | 3.9 - 4.2 | 15 max.* | — | — | 1 max. | Super high solids, adhesion to metal, anti-corrosion |
| | Idecryl-1063D | Xylene | 63.0 - 67.0 | 150 - 200 (Poises) | 75 - 85 | 2.3 - 2.6 | 12 max. | — | — | 1 max. | Adhesion on aluminium and galvanized steel (GI) |
| | Idecryl-8062 | Xylene | 53.0 - 57.0 | 20 - 30 (Poises) | 48 - 50 | 1.4 - 1.5* | 5 max. | — | — | 1 max. | Fast drying, weather resistance |

* Calculated from solution value

Aerosol

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | Acid value on solids, mgKOH/g | Oil length | Type of oil | Color, Gardner | Features |
|--------------------|-------------------|---------|-------------------|--------------------|-------------------------------|------------|-------------|----------------|--------------------------------------|
| Airdry Alkyd | Idekyd-1325 | Xylene | 58.0 - 62.0 | 12 - 18 (Poises) | 15 max. | 18 | Soybean/DCO | 6 max. | Fast drying, high gloss |
| Airdry Epoxy ester | Idepoxyester-7475 | Xylene | 58.0 - 62.0 | Z - Z1 | 18 max. | — | — | 6 max. | Fast drying, anti-corrosion coatings |

Product characteristics for protective coatings

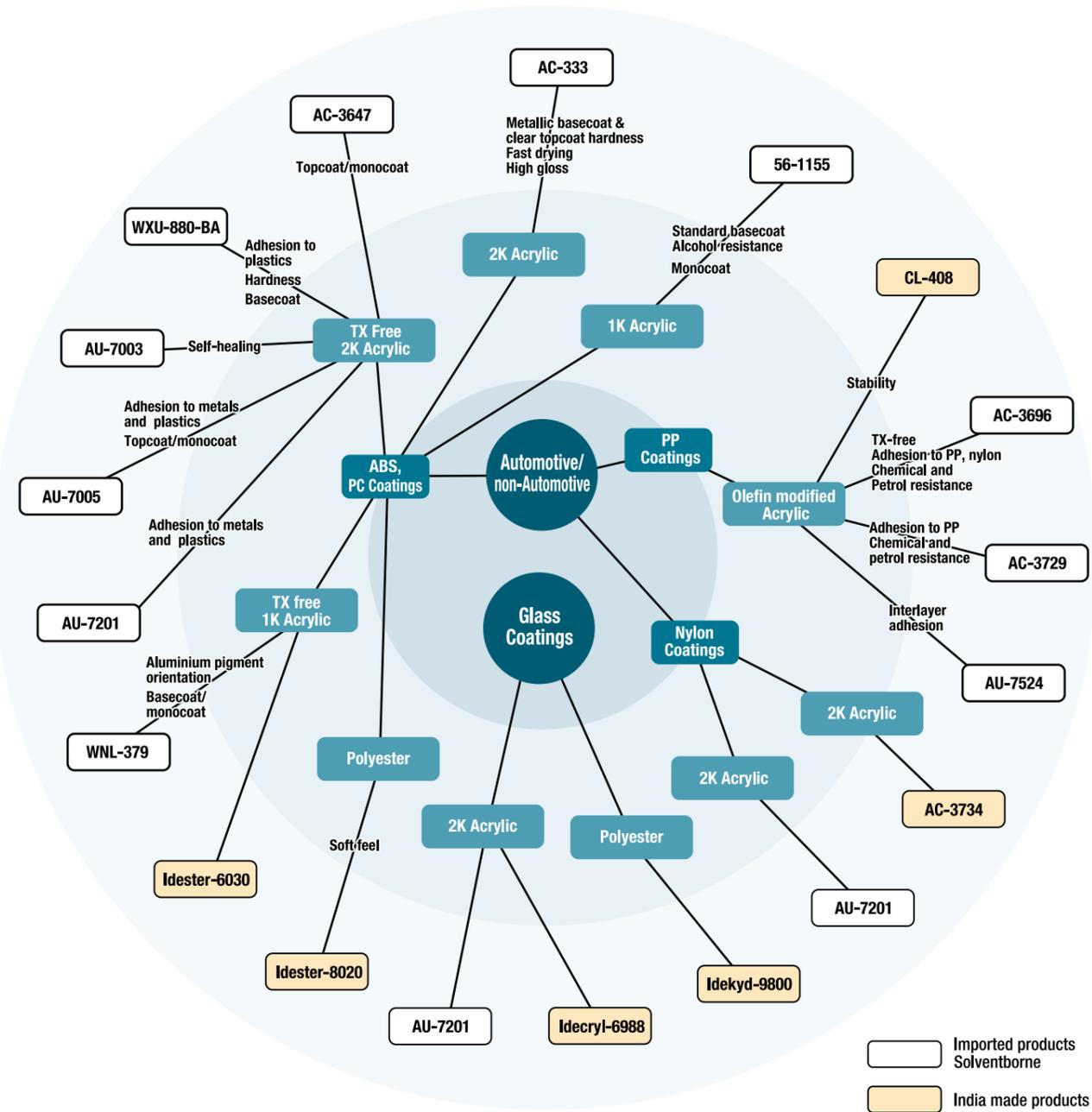
Heat resistance

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|-----------------------------|---------------------|--------------------------------|-------------------|--------------------|-------------------------------|----------------|---|
| Silicone modified Polyester | Idestersilicon-2849 | Methoxy propyl acetate | 58.0 - 62.0 | 17 - 22 (Poises) | 8 max. | 1 max. | Heat resistance (up to 300°C with properly formulated coating), non-yellowing |
| Silicone modified Epoxy | Idepoxysilicon-3050 | Methoxy propyl acetate, Xylene | 50.0 - 54.0 | X - Z | 8 max. | 2 max. | Heat resistance (up to 600°C with properly formulated coating) |

Heavy duty & Construction materials (Waterborne)

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | Acid value on solids, mgKOH/g | Oil Length | Type of Oil | Gardener Color | pH | Features |
|--------------------------|----------------------|--|-------------------|---------------------|---------------------------------|-------------------------------|------------|-------------|----------------|------------|--|
| 2K Epoxy | EPICLON EM-102-60M | Water | 59.0 - 61.0 | 50 - 2000 (mPa.s) | 480 - 530 (EEW on solids, g/eq) | — | — | — | — | — | Corrosion resistance, pigment dispersibility, VOC free |
| | LUCKAMIDE WN-720 | Water, Propylene glycol monomethyl ether | 48.0 - 52.0 | Z - Z4 | 177 (AHEW on solids, g/eq) | — | — | — | — | — | Polyamide hardener, anti-corrosion |
| Alkyd | Idekyd-WB4868 | Butyl Cellosolve: Sec. butanol::1:1 | 68 - 72 | Z - Z2 | — | 30 - 40 | Medium | Soya | 8 max | — | Adhesion to Metal Substrates, Good Gloss, Hardness and Impact Resistance |
| Organic-Inorganic hybrid | CERANATE WHW-822 | Diethylene glycol butyl ether, Water, Isopropyl alcohol | 34.0 - 36.0 | 10 - 1000 (mPa.s) | — | — | — | — | — | 7.5 - 8.5 | Weather resistance, stain resistance, adhesion to glass, metals and plastics |
| | CERANATE WSA-1070 | Diethylene glycol butyl ether, Water, Isopropyl alcohol | 39.0 - 41.0 | 20 - 500 (mPa.s) | — | — | — | — | — | 7.5 - 8.5 | Weather resistance, stain resistance, adhesion to glass, untreated aluminium and untreated PET |
| 1K Epoxy | EPICLON H-502-42W | Water, Butyl cellosolve, Isopropyl alcohol | 37.0 - 41.0 | 500 - 10000 (mPa.s) | — | — | — | — | — | 8.0 - 11.0 | Anti-corrosion, pigment dispersibility, storage stability |
| | EPICLON H-506-42W(T) | Water, Butyl cellosolve | 37.0 - 41.0 | 500 - 10000 (mPa.s) | — | — | — | — | — | 9.0 - 11.0 | Adhesion to metal, anti-corrosion |
| Epoxyether | Idehydrol-9309 | Butyl Cellosolve | 68 - 72 | X - Z | — | 35 - 45 | — | — | 14 max | — | Good adhesion to metal substrate |
| Airdry Epoxy ester | WATERSOL EFD-5580 | Water, Propylene glycol butyl ether, Propylene glycol monopropyl ether, Dimethylethanolamine | 39.0 - 41.0 | 50 - 3000 (mPa.s) | — | — | — | — | — | 8.0 - 9.0 | Anti-corrosion, weather resistance, compatibility and dispersibility with anti-corrosion pigment |
| Airdry Alkyd | Idekyd-7587 | Ethyl cellosolve, sec-Butanol | 68.0 - 72.0 | 12 - 17 (Poises) | — | — | — | — | — | — | High gloss |

Product tree for plastic & glass coatings



Product characteristics for plastic & glass coatings

Automotive / Non-automotive - ABS, PC coatings

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|--------------------|--------------------|--|-------------------|--------------------|-----------------------------|-------------------------|-------------------------------|----------------|--|
| 1K Acrylic TX free | ACRYDIC WNL-379 | MIBK, Isobutanol, Ethyl acetate | 39.0 - 41.0 | P - W | — | — | 1 - 5* | 1 max. | Chemical resistance, appearance on metallic coatings, adhesion to plastics such as ABS, PC and PC/ABS, aromatic solvent free |
| | Idecryl-6030 | Ethyl cellosolve | 48.0 - 52.0 | 8 - 10 (Poises) | — | — | 5 max. | 1 max. | Adhesion to plastic, decorative |
| 2K Acrylic TX free | ACRYDIC AC-3734 | Isobutyl acetate / Butyl acetate | 49.0 - 51.0 | S - X | 26 - 38 | 0.7 - 1.2 | 8 max. | 1 max. | Adhesion to plastic, glass & metal substrates, Compatible with CAB. |
| | ACRYDIC AU-7201 | n-Butyl acetate, methyl isobutyl ketone, propylene glycol methyl ether acetate | 49.0 - 51.0 | S - W | 22 - 42 | 0.7 - 1.3 | 8 max. | 1 max. | Adhesion to metal, glass and plastics |
| | ACRYDIC AU-7005 | n-Butyl acetate, Propylene glycol methyl ether acetate, MEK | 54.0 - 56.0 | V - Z1 | 59 - 70* | 1.8 - 2.1* | 7 - 13* | 1 max. | Chemical resistance, excellent adhesion to plastics and metal plating, aromatic solvent free |
| | ACRYDIC AU-7003 | Propylene glycol methyl ether acetate | 59.0 - 61.0 | G - L | 138 - 148* | 4.2 - 4.5* | 5 - 10* | 1 max. | Self-healing, adhesion to plastics |
| 2K Acrylic | ACRYDIC WXU-880-BA | iso-Butyl acetate, MIBK | 49.0 - 51.0 | Z1 - Z5 | 14 - 26* | 0.4 - 0.8* | 2 - 6* | 1 max. | Adhesion to plastics, aluminium pigment orientation, hardness |
| | ACRYDIC AC-3647 | n-Butyl acetate | 69.0 - 71.0 | Z5 - Z7 | 90 - 100 | 2.7 - 3.0 | 5 max.* | 1 max. | Fast drying, high gloss, adhesion, weather resistance |
| 2K Acrylic | ACRYDIC AC-333 | Toluene, n-Butyl acetate | 49.0 - 51.0 | W - Y | 66 - 78 | 2.0 - 2.4 | 4 - 8* | 1 max. | Leveling, high gloss, adhesion, flexibility, hardness, mar resistance, recoatability, chemical resistance |
| Polyester | Idester-8020 | — | 96.0 - 100.0 | 27 - 36 (Poises) | 119.5 - 122.5 | 3.6 - 3.7 | 3 max. | 1 max. | Low viscosity, solvent-free, plasticizer |

*Calculated from solution value

Automotive / Non-automotive - PP coatings

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|-------------------------|-----------------|--|-------------------|--------------------|-----------------------------|-------------------------|-------------------------------|----------------|---|
| Olefin modified Acrylic | ACRYDIC CL-408 | Toluene, Solvesso-100, n-Butyl acetate | 44.0 - 46.0 | Z2 - Z4 | 29 - 38 | 0.9 - 1.1 | 5 max.* | 2 max. | Adhesion to plastics especially PP |
| | ACRYDIC AC-3696 | n-Butyl acetate | 57.0 - 59.0 | Z3 - Z6 | 15 - 25 | 0.4 - 0.8 | 6 max.* | — | Adhesion to plastics especially PP as 1K or 2K systems, TX free |
| | ACRYDIC AC-3729 | Xylene, n-Butyl acetate | 51.0 - 53.0 | Z3 - Z6 | 15 - 25 | 0.4 - 0.8 | 0 - 6 | — | Adhesion to PP, chemical and petrol resistance |
| | ACRYDIC AU-7524 | Xylene, n-Butyl acetate | 51.0 - 53.0 | Z3 - Z6 | 35 - 45 | 1.0 - 1.4 | 2 max* | — | Adhesion to plastics especially PP as 1K or 2K systems |

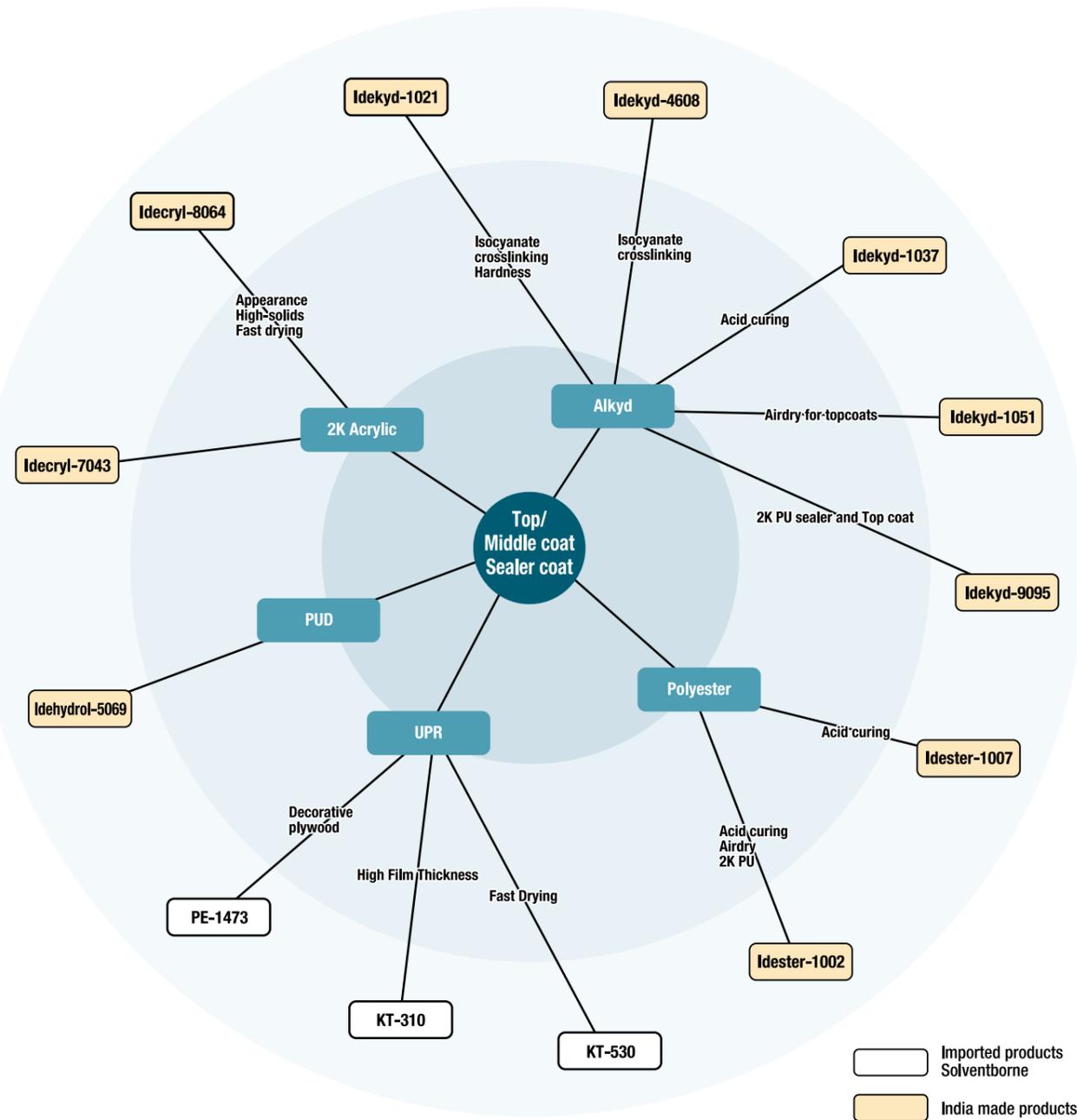
*Calculated from solution value

Glass coatings

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Color, Gardner | Features |
|--------------|-----------------|--|-------------------|--------------------|-----------------------------|-------------------------|-------------------------------|----------------|---|
| 1K Polyester | Idekyd-9800 | C9 & PGMME | 58.0 - 62.0 | V - X | 65 - 75 | 2.0 - 2.2 | 2.0 - 6.0 | 2 max. | Excellent Alcohol Resistance, Very good Adhesion & Good CAB Compatibility |
| 2K Acrylic | Idecryl-6988 | Cellosolve acetate, Xylene | 58.0 - 62.0 | Z1 - Z3 | 75 - 85 | 2.3 - 2.8* | 5 max. | 1 max. | Fast drying, adhesion to metals and plastics |
| | ACRYDIC AU-7201 | n-Butyl acetate, methyl isobutyl ketone, propylene glycol methyl ether acetate | 49.0 - 51.0 | S - W | 22 - 42 | 0.7 - 1.3 | 8 max. | 1 max. | Adhesion to metal, glass and plastics |

*Calculated from solution value

Product tree for wood coatings



Product characteristics for wood coatings

Top /Middle coat, Sealer coat

| Type | Product name | Solvent | Solids content, % | Viscosity, Gardner | OH value on solids, mgKOH/g | OH content on solids, % | Acid value on solids, mgKOH/g | Oil Length | Type of Oil | Color, Gardner | pH | Features |
|-------------------------|-----------------|--------------------|-------------------|---|-----------------------------|-------------------------|-------------------------------|------------|-------------|----------------|-----------|---|
| PUD | Idehydrol-5069 | Water, NMP | 35.0 - 37.0 | 20 - 40 (Seconds, 30°C, Ford cup #4) | 35 - 45 | 1.1 - 1.4* | — | — | — | — | 7.0 - 8.0 | Hardness, high gloss, anti-corrosion |
| 2K Solventborne Acrylic | Idecryl-7043 | n-Butyl acetate | 48.0 - 52.0 | 27 - 46 (Poises) | 63 - 69 | 1.9 - 2.1 | 6 max. | — | — | 1 max. | — | Fast drying |
| | ACRYDIC AC-3646 | n-Butyl acetate | 69.0 - 71.0 | 23 - 26 | 90 - 100 | 2.7 - 3.0 | 5 max.* | — | — | 1 max. | — | Fast drying, high gloss, adhesion |
| | Idecryl-8064 | Xylene | 68.0 - 72.0 | 22 - 24 | 95 - 105 | 2.8 - 3.2 | 5 max. | — | — | 1 max. | — | High Gloss |
| Alkyd | Idekyd-1021 | Xylene | 59.0 - 61.0 | Z1 - Z2 | 119 - 129 | 3.6 - 3.9* | 12 - 16 | — | — | 4 max. | — | Oil length=40, type of oil=Castor/Olive, non-yellowing, high gloss |
| | Idekyd-4608 | Xylene | 58.0 - 62.0 | 1500 - 3000 (mPa-s) | 160 - 170 | 4.8 - 5.2* | 9 max. | — | — | 5 max. | — | Oil length=48, type of oil=Castor, non-yellowing, high gloss, hardness |
| | Idekyd-1037 | Xylene | 68.0 - 72.0 | 80 - 100 (Seconds, 30°C, Ford cup #4, 50% resin solution in Xylene) | 120 - 140 | 3.6 - 4.2* | 10 max. | — | — | 6 max. | — | Oil length=39, type of oil=Soybean, high gloss |
| | Idekyd-1051 | Mineral turpentine | 58.0 - 62.0 | 50 - 60 (Seconds, 30°C, Ford cup B-4, 50% resin solution in Mineral turpentine) | 25 - 35 | 0.8 - 1.1 | 10 max. | — | — | 6 max. | — | Oil length=58, type of oil=Soybean, fast drying, high gloss |
| | Idekyd-9095 | Xylene | 58.0 - 62.0 | Z1 - Z3 | 170 | 5.2 | 10 max. | Medium | Soya | 6 max. | — | Excellent Sandability, Excellent Chemical Resistance & High Gloss and DOI |
| Polyester | Idester-1007 | Xylene | 68.0 - 72.0 | 50 - 70 (Seconds, 30°C, Ford cup #4, 50% resin solution in Xylene) | 120 - 140 | 3.6 - 4.2* | 10 max. | — | — | 1 max. | — | Non-yellowing, high gloss |
| | Idester-1002 | Xylene | 73.0 - 77.0 | 60 - 90 (Poises) | 150 - 170 | 4.5 - 5.2* | 10 max. | — | — | 1 max. | — | Hardness |

* Calculated from solution value

Product Characteristics for Wood Coatings

| Type | Product name | Viscosity, Gardner | Gel time, minutes, at 25°C | Gel time methods at 25°C* | Features |
|------|------------------|--------------------|----------------------------|---|--|
| UPR | SUNDHOMA KT-530 | U - W | 5 - 15 | Resin/0.6% Co-oct/55%MEKPO = 50gm/1gm/1gm | Excellent Sandability Excellent Drying |
| | SUNDHOMA KT-310 | T - V | 15 - 25 | Resin/0.6% Co-oct/55%MEKPO = 50gm/1gm/1gm | Hardness Excellent Sandability |
| | SUNDHOMA PE-1473 | 360 - 460 (cps) | 5 - 8 | Resin/50% MEKPO = 50 gr/0.5gr | Fast curing, High gloss, Pigment dispersion |



Characteristics of solvents

| Classification | Name | Molecular formula | Molecular weight | Boiling point(°C) | S.P | Specific gravity | Flash point (TCC・°C) | Ignition point (°C) | Explosion limit (VOL %) |
|----------------|---|--|------------------|-------------------|------|-------------------|----------------------|---------------------|-------------------------|
| Hydrocarbons | Benzene | C ₆ H ₆ | 78 | 80.1 | 9.2 | 0.874/25°C | -11.1 | 562.2 | 1.4 ~ 7.1 |
| | Toluene | C ₆ H ₅ CH ₃ | 92 | 110.6 | 8.9 | 0.867/25°C | 4.4 | 552 | 1.27 ~ 7.0 |
| | Xylene | C ₆ H ₄ (CH ₃) ₂ | 106 | 136 ~ 141 | 8.8 | Approx. 0.87/25°C | 23 ~ 27 | 463 ~ 528 | 1.0 ~ 7.0 |
| | Solvesso-100 | — | — | 155 ~ 181 | | 0.88/15°C | Over 41 | Over 450 | 0.8 ~ 7.0 |
| | Solvesso-150 | — | — | 178 ~ 209 | | 0.900/15°C | Over 62 | Over 450 | 0.6 ~ 7.0 |
| | SWASOL 1800 | — | — | 206 | | 0.93/(15/4°C) | 79 | 465 | |
| | ISOPA-E | — | — | 113 ~ 143 | | 0.72/15°C | 7 | 395 | 0.9 ~ 6.2 |
| | ISOPA-G | — | — | 153 ~ 178 | | 0.75/15°C | Over 40 | 365 | 0.7 ~ 5.6 |
| | LAWS (45°C terpene) | — | — | 160 ~ 200 | | 0.798/15°C | 46 | | 1.4 ~ 7.6 |
| | PEGASOL 3040 (55°C terpene) | — | — | 150 ~ 200 | | 0.78/15°C | 40~45 | 230 | 0.6 ~ 6.5 |
| Alcohols | Methanol | CH ₃ OH | 32 | 64.5 | 14.7 | 0.791/20°C | 12 | 470 | 6.0 ~ 36.5 |
| | Ethanol | C ₂ H ₅ OH | 46 | 78.3 | 12.7 | 0.789/20°C | 14 | 390 | 4.3 ~ 19.0 |
| | Isopropyl alcohol | (CH ₃) ₂ CHOH | 60 | 82.4 | 11.5 | 0.786/20°C | 11.7 | 460 | 2.02 ~ 7.99 |
| | n-Butanol | C ₄ H ₉ OH | 74 | 117.7 | 11.4 | 0.810/20°C | 35 | 340 | 1.45 ~ 11.25 |
| | iso-Butanol | (CH ₃) ₂ CHCH ₂ OH | 74 | 107.9 | 11.1 | 0.802/20°C | 27.5 | 434 | 1.68 ~ 10.5 |
| | Diacetone alcohol | (CH ₃) ₂ C(OH)CH ₂ COCH ₃ | 116 | 169.2 | | 0.938/20°C | 60 | 603 | 1.8 ~ 6.9 |
| | 3-Methoxy-1-butanol | CH ₃ CH(OCH ₃)CH ₂ CH ₂ OH | 104 | 161 | | 0.921/20°C | 64.5 | 239 | 3.6 ~ 11.0 |
| | 3-Methyl-3-methoxy butanol | (CH ₃) ₂ C(OCH ₃)CH ₂ CH ₂ OH | 118 | 174 | 9.3 | 0.927/20°C | 68 | 395 | |
| Ketones | Acetone | CH ₃ COCH ₃ | 58 | 56.1 | 10.0 | 0.785/25°C | 17.8 | 561 | 2.55 ~ 7.80 |
| | Methyl ethyl ketone | CH ₃ COC ₂ H ₅ | 72 | 79.6 | 9.3 | 0.800/25°C | 7.2 | 516 | 1.81 ~ 8.5 |
| | Methyl isobutyl ketone | (CH ₃) ₂ CHCH ₂ COCH ₃ | 100 | 115.9 | 8.4 | 0.796/25°C | 15.6 | 465.5 | 1.35 ~ 11.60 |
| | Isophorone | C ₈ H ₁₄ O | 138 | 213 | | 0.92/20°C | | 462 | 0.8 ~ 3.8 |
| | Cyclohexanone (anone) | (CH ₂) ₅ CO | 98 | 155.7 | 9.9 | 0.948/20°C | 44 | 420 | 1.1 ~ 8.1 |
| Esters | Ethyl acetate | CH ₃ COOC ₂ H ₅ | 88 | 77.1 | 9.1 | 0.901/20°C | 4 | 425 | 2.18 ~ 11.4 |
| | n-Butyl Acetate | CH ₃ COOC ₄ H ₉ | 116 | 126.1 | 8.5 | 0.881/20°C | 27 | 421 | 1.4 ~ 8.0 |
| | Isobutyl acetate | CH ₃ COOCH ₂ CH(CH ₃) ₂ | 116 | 117.3 | 8.4 | 0.871/20°C | 21 | 463 | 1.85 ~ 11.0 |
| | Ethoxyethyl propionate | CH ₃ CH ₂ OCH ₂ CH ₂ COOC ₂ H ₅ | 146 | 169.7 | | 0.950/20°C | 59 | | ~ 1.05 |
| | 3-Methoxy butyl acetate | CH ₃ COOCH ₂ CH ₂ CH(OCH ₃)CH ₃ | 146 | 171 | | 0.950/20°C | 62.5 | 408 | 2.3 ~ 15 |
| | Propylene glycol monomethyl ether acetate | CH ₃ COOC(CH ₂) ₂ OCH ₃ | 131 | 146 | | 0.960/20°C | | 272 | 1.5 ~ 10 |
| | Cellosolve acetate | C ₂ H ₅ OCH ₂ CH ₂ OCOCH ₃ | 132 | 156.3 | 8.7 | 0.973/20°C | 51 | 379 | 1.7 ~ 8.2 |
| Ethers | Cellosolve (ethyl cellosolve) | C ₂ H ₅ OCH ₂ CH ₂ OH | 90 | 135.6 | 9.9 | 0.930/20°C | 45 | 238 | 1.8 ~ 14.0 |
| | Butyl cellosolve | C ₄ H ₉ OCH ₂ CH ₂ OH | 118 | 170.2 | | 0.90/20°C | 61 | 244 | 1.1 ~ 10.6 |
| | Isobutyl cellosolve | CH ₃ C(CH ₃) ₂ OCH ₂ CH ₂ OH | 118 | 160.5 | 9.3 | 0.903/20°C | 50 | 417 | |
| | Propyl cellosolve | C ₃ H ₇ OCH ₂ CH ₂ OH | 104 | 149.5 | | 0.908/20°C | 49(*1) | 235 | 1.26 ~ 15.8 |
| | Isopropyl cellosolve | (CH ₃) ₂ CHOCH ₂ CH ₂ OH | 104 | 142.8 | | 0.908/20°C | 54 | 320 | 1.7 ~ 20 |
| | Propylene glycol monomethyl ether | CH ₃ OCH ₂ CH(OH)CH ₃ | 90 | 120 | 10.4 | 0.920/20°C | 34.5 | 278 | 3 ~ 12 |
| | Propylene glycol monoethyl ether | C ₂ H ₅ CH ₂ CH(OH)CH ₃ | 104 | 132 | 7.5 | 0.898/20°C | 39.5 | 272 | 1.3 ~ 12 |
| | Butyl carbitol | C ₄ H ₉ OCH ₂ CH ₂ OCH ₂ CH ₂ OH | 162 | 230.4 | 8.9 | 0.954/20°C | 78 | 227 | 1.1 ~ 10.6 |

(Note) Written data are quoted from manufacturer's catalog, MSDS, etc.

(*1) Seta sealing

Gardner bubble viscosity conversion table

(25°C)

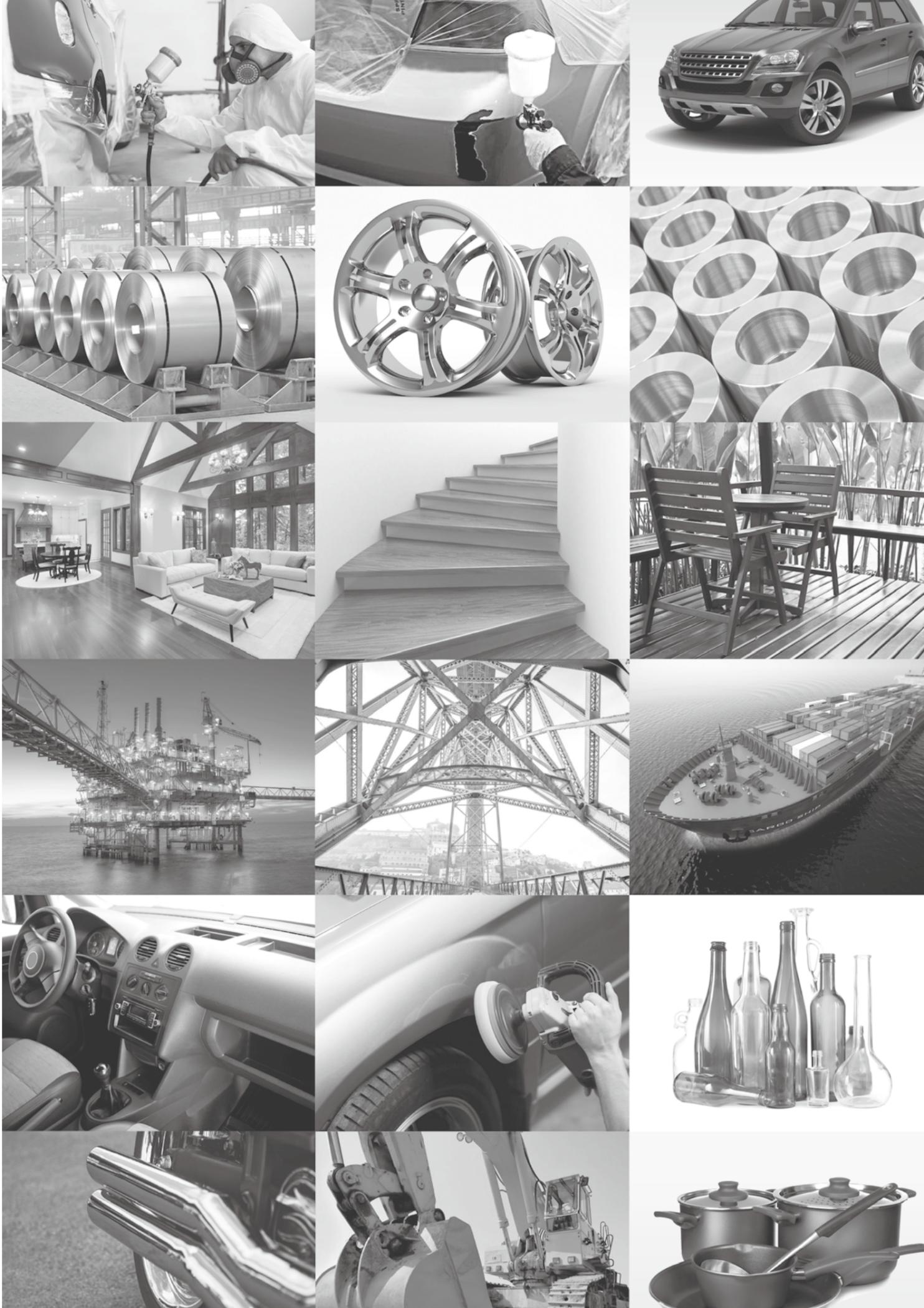
| Gardner viscosity | Poises * | Stokes | Gardner inversion seconds | Iwata cup I.H.S.(Seconds) | Ford cup #4(Seconds) | Zahn cup #2(Seconds) | Zahn cup #4(Seconds) |
|-------------------|----------------------------|---------|---------------------------|---------------------------|----------------------|----------------------|----------------------|
| A5 | 0.00505 × Specific gravity | 0.00505 | | | | | |
| A4 | 0.0624 | 0.0624 | | | 5.0 | 16 | |
| A3 | 0.144 | 0.144 | | 2.5 | 8.0 | 17 | |
| A2 | 0.220 | 0.220 | | 9.0 | 13.6 | 19 | |
| A1 | 0.321 | 0.321 | | 12.0 | 15.3 | 20 | |
| A | 0.50 | 0.50 | | 16.0 | 19.0 | 22 | |
| B | 0.65 | 0.65 | | 19.5 | 22.0 | 27 | |
| C | 0.85 | 0.85 | | 26.0 | 27.0 | 34 | |
| D | 1.00 | 1.00 | 1.46 | 29.5 | 30.0 | 41 | |
| E | 1.25 | 1.25 | 1.83 | 37.0 | 36.0 | 49 | 11 |
| F | 1.40 | 1.40 | 2.05 | 42.0 | 40.0 | 58 | 13 |
| G | 1.65 | 1.65 | 2.42 | 49.0 | 46.0 | 66 | 14 |
| H | 2.00 | 2.00 | 2.93 | 54.0 | 50.0 | 82 | 17 |
| I | 2.25 | 2.25 | 3.30 | 60.0 | 55.0 | | 18 |
| J | 2.50 | 2.50 | 3.67 | 76.0 | 68.0 | | 20 |
| K | 2.75 | 2.75 | 4.03 | 86.0 | 74.0 | | 22 |
| L | 3.00 | 3.00 | 4.40 | | 81.0 | | 24 |
| M | 3.20 | 3.20 | 4.70 | | 86.0 | | 25 |
| N | 3.40 | 3.40 | 5.00 | | 91.0 | | 26 |
| O | 3.70 | 3.70 | 5.40 | | 99.0 | | 28 |
| P | 4.00 | 4.00 | 5.80 | | 107.0 | | 30 |
| Q | 4.35 | 4.35 | 6.40 | | 116.0 | | 33 |
| R | 4.70 | 4.70 | 6.90 | | 125.0 | | 34 |
| S | 5.00 | 5.00 | 7.30 | | 133.0 | | 37 |
| T | 5.50 | 5.50 | 8.10 | | 146.0 | | 40 |
| U | 6.27 | 6.27 | 9.20 | | 167.0 | | 44 |
| V | 8.84 | 8.84 | 13.00 | | 199.0 | | 64 |
| W | 10.70 | 10.70 | 15.70 | | 270.0 | | |
| X | 12.90 | 12.90 | 18.90 | | | | |
| Y | 17.60 | 17.60 | 26.10 | | | | |
| Z | 22.70 | 22.70 | 33.30 | | | | |
| Z1 | 27.00 | 27.00 | 39.60 | | | | |
| Z2 | 36.20 | 36.20 | 52.85 | | | | |
| Z3 | 46.30 | 46.30 | 67.9 | | | | |
| Z4 | 63.40 | 63.40 | 92.6 | | | | |
| Z5 | 98.50 | 98.50 | 143.8 | | | | |
| Z6 | 148.00 | 148.00 | 217.1 | | | | |
| Z7 | 388.00 | 388.00 | 566.5 | | | | |
| Z8 | 590.00 | 590.00 | 865.5 | | | | |
| Z9 | 855.00 | 855.00 | 1254.0 | | | | |
| Z10 | 1066.00 | 1066.00 | 1563.7 | | | | |

●Viscosity

* Poises=Stokes x Specific gravity

| Pa·s | cP | P |
|--------------------|-------------------|--------------------|
| 1 | 1x10 ³ | 1x10 |
| 1x10 ⁻³ | 1 | 1x10 ⁻² |
| 1x10 ⁻¹ | 1x10 ² | 1 |

(Note:1P=1dyn·s/cm²=1g/cm·s, 1Pa·s=1N·s/m², 1cP=1mPa·s)



The product data provided in this document are typical values, intended only as a guide, and should not be interpreted as sales specifications. For more detailed values, check each product TDS.