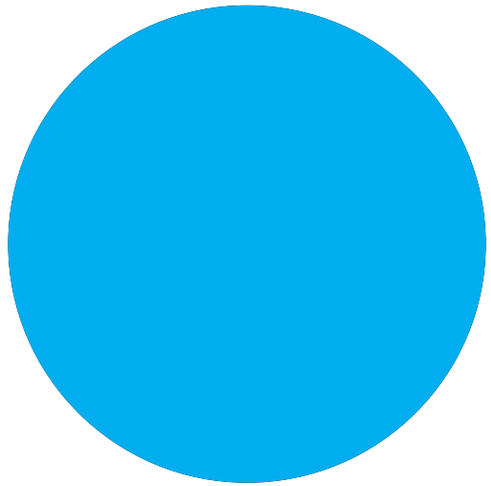


PART OF THE COIM GROUP

Personalized resins

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What is important to you and your customers, matters to us





We believe in the power of personalized resins

Every successful product is created around a core expertise or key technology. An essential ingredient that delivers its performance.

And for our clients, this is often unique for every product and every application. That is why we have the expertise, experience and facilities to create what we call, personalized resins. Welcome to Synres.

Personalized resins
Since 1947



Decorative



Industrial wood

Your markets, our support

Your customers select your coatings and paints because they want their assets to last. They want what they value, to be durable.

How can we help to protect and preserve what your customers treasure?

To start, by listening to the unique requirements of your application. Our ingredients often determine the critical performance factors of your product, such as durability, consistency and aesthetic impact. Ask for the expert in your industry to discover what we can achieve together.



Agriculture, Construction & Earthmoving



Car refinish



Protective & Marine

Personalized resins
Since 1947

Decorative

COATINGS FOR USE IN DOMESTIC ENVIRONMENT. BOTH FOR INTERIOR AND EXTERIOR USE. IN THIS SEGMENT, SYNRES PRODUCTS ARE MAINLY USED FOR WOOD DECORATION AND PROTECTION.







All paints in and around the house applied on site, interior and exterior, like:

- Wood stains
- TRIM paints (window frames, doors, interior & exterior)
- Decking stains
- Wood impregnations
- Metal coatings
- Re-decorated furniture coatings
- Wall paints & plasters (mainly water based)

Personalized resins
Since 1947

Alkyd resins for Decorative

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OIL TYPE	OIL LENGTH (%)	DESCRIPTION	MAIN FEATURE	INTERIOR	EXTERIOR	PRIMER	TOPCOAT	STAINS	FURNITURE	HS EC VOC 2010	WOOD IMPREGNATION
Urakyd™ AD141 Q-50	50D40	33-56	0-12	Linseed	53	Quick drying medium oil alkyd	Quick drying, broad compatibility	•	•	•	•				
Urakyd™ AD49 Q-65	65D40	35-45	0-12	Linoleic rich fatty acids	60	Flexible aliphatic alkyd	Outdoor durability, long term flexibility		•			•			
Urakyd™ AD44 Q-70	70D40	50-68	7-12	Soya	63	Universal long oil alkyd	Versatile alkyd, broad compatibility	•	•	•	•	•		•	
Urakyd™ AD44 Q1-70	70D60	40-55	4-12	Soya	63	Universal long oil alkyd	Broad compatibility, high flash point	•	•	•	•	•		•	
Urakyd™ AD45 W-70	70WS	95-125	5-10	Soya	63	Universal long oil alkyd	Versatile alkyd, broad compatibility	•	•	•	•	•			
Urakyd™ AD46 Q-60	60D40	60-80	5-10	Soya	63	High viscosity long oil alkyd for economic paints	High viscosity, quick trough drying	•	•	•	•	•			
Urakyd™ AD10 Q-65	65D40	65-85	5-10	Linseed	63	Universal long oil alkyd	Quick drying, broad compatibility	•	•	•	•	•			
Urakyd™ AD132 Q-75	75D40	40-60	3-10	Sun flower	68	Universal long oil alkyd	Low yellowing	•	•		•	•		•	
Urathix AT408 Q-70	70D40	25-45	0-12	Sofa	68	Slightly thixotropic long oil alkyd	Slightly thixotropic, low yellowing	•	•	•	•	•		•	
Urakyd™ AK436 W-55	55WS	60-80	0-12	Soya	49	Quick drying medium oil alkyd	Quick drying, broad compatibility, adhesion on steel	•	•	•	•				
Urakyd™ AK410 Q-52	52D40	30-40	0-12	Tofa	53	Quick drying medium oil alkyd	Quick drying, broad compatibility, adhesion on steel	•	•	•	•				
Urakyd™ AD97	100% solids	20-30	0-12	Linoleic rich fatty acids	83	Low viscosity long oil alkyd	Low viscosity, high solid, wood impregnation, hydrolyse resistant	•	•	•	•	•		•	•
Urakyd™ AD62 Q1-85	85D60	65-80	0-12	Soya/tofa mix	70	High solid alkyd	Versatile alkyd, economic paints, with or without addition water	•	•	•	•	•		•	
Urakyd™ AD60 Q1-89	89D60	25-30	4-12	Mixed	75	High solid alkyd	Low viscosity, low yellowing	•	•	•	•	•		•	
Urakyd™ HS233 Q1-85	85D60	140-180	2-6	Soya	70	Based on hybrane technology	Quick drying, shear thinning, low yellowing	•	•	•	•	•		•	
Urakyd™ HS235 Q-88	88D40	55-80	2-10	Sunflower	64	High solid alkyd	Good exterior durability and gloss retention		•	•	•	•		•	
Urakyd™ HS242 Q-80	80D40	10-20	0-10	Soya	52	High solid silicone alkyd	Good gloss retention, extra long durability		•		•			•	
Urakyd™ HS243 Q-75	75D40	25-50	0-3	Linoleic rich fatty acids	75	Based on hybrane technology, poly-urethane modified	Very quick drying, quick hardness build up, scratch resistant	•	•	•	•		•	•	
Urakyd™ AR202 Q-50	50D40	45-55	0-5	Linoleic rich fatty acids	60	Poly-urethane alkyd	Very quick drying, quick hardness build up, scratch resistant	•	•	•	•		•		
Urakyd™ AR202 Q1-51	51D60	25-40	0-5	Linoleic rich fatty acids	60	Poly-urethane alkyd	Very quick drying, quick hardness build up, scratch resistant	•	•	•	•		•		
Urakyd™ AR206 Q-56	56D40	20-22	0-6	Vegetable oil	60	Poly-urethane alkyd	Very quick drying, quick hardness build up, scratch resistant	•	•	•	•		•	•	
Urakyd™ AR206 Q1-55	55D60	13-20	0-5	Vegetable oil	60	Poly-urethane alkyd	Very quick drying, quick hardness build up, scratch resistant	•	•	•	•		•	•	
Urakyd™ AL210 Q-55	55D40	30-45	0-3	Soya	56	Aliphatic poly-urethane alkyd	Drying speed, through drying, yellow resistance and outdoor durability	•	•	•	•		•	•	
Urakyd™ OR313 Q-55	55D40	27-33	0-6	Soya/DCO	70	Aromatic poly-urethane oil	Quick drying, hard, tough, scratch resistant	•	•	•	•		•		

Resins customized to your needs, with a service personalized to you



Thixotropic alkyds for Decorative

	SUPPLY FORM	ACID VALUE (mg KOH/g SOLID RESIN)	OIL TYPE	OIL LENGTH (%)	GEL STRENGTH	DESCRIPTION	MAIN FEATURE	INTERIOR	EXTERIOR	PRIMER	TOPCOAT	STAINS
Urathix™ AT408 Q-70	70D40	max 10	Sofa	68	Low	Poly-amide thix alkyd	Slightly thixotropic, can be used as a sole binder	•	•	•	•	•
Urathix™ AT415 V-55	55WS-LA	max 10	Linoleic	60	High	Poly-amide thix alkyd	High gel strength	•	•	•	•	•
Urathix™ AT425 Q-55	55D40	max 12	Mixed	60	High	Poly-amide thix alkyd	High gel strength, very high gel strength in paint, easy to handle in heated bulk	•	•	•	•	•
Urathix™ AT426 Q-65	65D40	max 10	Mixed	65	High	Poly-amide thix alkyd	High gel strength, high solids, easy to handle in heated bulk, gel resistant to polar solvents & water	•	•	•	•	•

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Industrial wood

WOOD IS USED IN LOTS OF APPLICATIONS. IT IS COATED IN AN INDUSTRIAL PRODUCTION LINE. THE COATING IMPROVES THE APPEARANCE, WHILE ALSO OFFERING PROTECTION AND DURABILITY TO THE COATED WOODEN OBJECT. DRYING SPEED AND ECONOMICS IN USE ARE IMPORTANT ASPECTS OF INDUSTRIAL WOOD COATINGS.

Coatings applied under controlled conditions, in an industrial process, for wooden objects like:

- Furniture
- Kitchens
- Interior plates
- Exterior plates



Acrylic resins for Industrial wood

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OH% (ON SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER	SEALER	CLEARCOAT	TOPCOAT
Uracron™ CY451 XE-50	50X/BAC	90-170	14-18	1,8	High viscosity acrylic polyol	Quick drying, low solids, easy to matt		•	•	•
Uracron™ CY458 XE-50	50X/BAC	55-85	14-18	1,8	Acrylic polyol	Universal, high reactivity	•		•	•
Uracron™ CY463 E-50	50BAC	33-48	15-25	2,0	Acrylic polyol	Quick drying, high hardness, broad CAB compatibility	•		•	•
Uracron™ CY467 E-50	50BAC	50-80	6-12	1,8	Acrylic polyol	Universal, broad compatibility, good flexibility	•		•	•
Uracron™ CY472 E-57	57BAC	30-70	6-12	1.7	Medium solid acrylic polyol	Medium solid content, economic in use, broad compatibility	•		•	•
Urathix™ CY4630 E-50	50BAC	thixotropic	15-25	2,0	Acrylic polyol	Thixotropic, quick drying, high hardness, broad CAB compatibility	•		•	•



Alkyd resins for Industrial wood

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OIL TYPE	OIL LENGTH (%)	OH% (ON SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER/SURFACER	BASECOAT	CLEARCOAT	TOPCOAT	1K	ACID CURE	2K	NC COATINGS
Urakyd™ AN620 X-70	70X	50-60	5-10	Saturated fatty acids	30	4.0	Short oil alkyd	Gloss level, low yellowing, flexibility			•	•		•	•	•
Urakyd™ AN620 E-70	70BAC	10-20	5-10	Saturated fatty acids	30	4.0	Short oil alkyd	Gloss level, low yellowing, flexibility			•	•		•	•	•
Urakyd™ AD525 X-60	60X	54-66	6-12	Tofa	42	3.8	Universal medium oil alkyd for acid cure, NC and air drying coatings	Broad compatibility with amino resins, quick solvent release, sandability, economical	•	•	•	•	•	•		•
Urakyd™ CP3784 AD	75BAC	40-60	8-12	Mixed	52		Medium oil alkyd for acid cure and NC coatings	Reactivity, solid content, high build, flexibility			•	•		•		•

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Ensure continuity in the production and performance of your products







Protective & Marine

COATINGS TO PROTECT OBJECTS AGAINST THE ENVIRONMENTAL CONDITIONS, LIKE UV-RADIATION, SALINE WATER, ANIMAL LIFE, CORROSION AND CHEMICAL ATTACK. BESIDES THAT, APPEARANCE IS AN IMPORTANT ASPECT. APPLIED ON SITE.

Protective and Marine Coatings are used to decorate and protect:

- Ships
- Vessels
- Storage Tanks
- Bridges
- Constructions
- Off shore equipment

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Acrylic resins for Protective & Marine

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OH% (ON SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER	TOPCOAT	2K	MARINE	PROTECTIVE	RAILWAY	MAINTENANCE	YACHT
Uracron™ F12 60X-BAC	60X-BAC	15-30	0-5	1.2	Hydroxy acrylic resin	Low OH value, good adhesion to metal, quick drying	•	•	•	•	•	•	•	
Uracron™ F18 NV 60X	60X	18-28	0-5	1.8	Hydroxy acrylic resin	Low OH value, good adhesion to metal, quick drying	•	•	•	•	•	•	•	
Uracron™ FH19 75BAC	75BAC	50-70	4-8	1.9	High solid hydroxy acrylic	High solids, adhesion on metals	•	•	•	•	•	•	•	
Uracron™ CY127 X-60	60X	20-30	8-12	2.7	Hydroxy acrylic resin	General purpose, good adhesion to metal	•	•	•	•	•	•	•	
Uracron™ FH28 70BAC	70BAC	15-25	0-5	2.7	High solid hydroxy acrylic resin	Flexible, good adhesion to metal, suitable for higher PVC coatings	•	•	•	•	•	•	•	•
Uracron™ CY430 E-70	70BAC	40-60	6-10	3.0	High solid hydroxy acrylic resin	High solid content, extremely high gloss	•	•	•	•	•	•	•	•
Uracron™ FH30 70BAC	70BAC	65-95	5-10	3.0	High solid hydroxy acrylic resin	High solid content, high hardness, high durability		•	•	•	•	•	•	•
Uracron™ FH36 75BAC	75BAC	60-110	6-10	3.6	Very high solid hydroxy acrylic	Very high solid, fast drying and hardness development		•	•	•	•	•	•	•
Uracron™ CY142 E-70	70BAC	30-50	12.5-17.5	4.2	High solid hydroxy acrylic resin	High solids, long open time, good overspray uptake		•	•	•	•	•	•	•
Uracron™ CY474 E-70	70BAC	35-55	4-8	4.2	High solid hydroxy acrylic resin	High solid content, chemical and weathering resistant		•	•	•	•	•	•	•
Uracron™ CY499 E-75	75BAC	55-75	4-8	4.2	High solid hydroxy acrylic resin	Broad compatibility, high solid content, good pigment wetting, weathering resistant, chemical resistant		•	•	•	•	•	•	•
Uracron™ CY433 XE-60	60X/BAC	60-85	5-10	4.5	Hydroxy acrylic resin	High gloss retention, UV-resistant, chemical resistant, petrol resistant		•	•	•	•	•	•	•

Alkyd resins for Protective & Marine

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OIL TYPE	OIL LENGTH (%)	OH% (ON SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER	TOPCOAT	1K	2K	MARINE	PROTECTIVE	RAILWAY	MAINTENANCE	YACHT
Urakyd™ AK424 X-60	60X	36-47	4-9	Sofa	22	2.5	Chain stopped short oil alkyd	Quick air drying, good outdoor durablity, high gloss retention	•	•	•	•	•	•	•	•	
Urakyd™ AK418 X-60	60X	23-31	max 10	Soya	28	2.0	Chain stopped short oil alkyd	Quick air drying, economical	•	•	•	•	•	•	•	•	
Urakyd™ AK422 X-60	60X	65-78	5-10	Sofa	31	3.2	Chain stopped short oil alkyd	Quick air drying	•	•	•	•	•	•	•	•	
Urakyd™ AK429 X-60	60X	34-45	5-10	Sofa	40	2.7	Chain stopped medium oil alkyd	Good air drying at high film build	•	•	•	•	•	•	•	•	
Urakyd™ AK436 W-55	55WS	60-80	5-10	Sofa	49	1.9	Chain stopped medium oil alkyd	General purpose	•	•	•	•	•	•	•	•	•
Urakyd™ AK410 Q-52	52D40	30-40	max 12	Tofa	53	2.0	Chain stopped medium oil alkyd	General purpose	•	•	•	•	•	•	•	•	•
Urakyd™ AD45 W-70	70WS	95-125	max 10	Soya oil	63		Long oil alkyd	General purpose, high viscosity	•	•	•		•	•	•	•	•
Urakyd™ AD46 Q-60	60D40	60-80	max 12	Soya oil	63		Long oil alkyd	General purpose, extreme high viscosity	•	•	•		•	•	•	•	•
Urakyd™ AD10 Q-65	65D40	65-85	max 12	Linseed oil	65		Long oil alkyd	Quick drying, good pigment wetting, glossy appearance	•	•	•		•	•	•	•	•
Urakyd™ AM356 X-60	60X	60-85	10-20	Linseed and tung oil	34		Phenolic modified short oil alkyd	Quick drying, good adhesion to metal, water resistance, corrosion resistance	•		•		•	•	•	•	
Urakyd™ AM352 X-60	60X	52-58	15-25	Tofa	37		Phenolic modified short oil alkyd	Quick drying, good adhesion to metal, water resistance, corrosion resistance	•		•		•	•	•	•	
Urakyd™ GH20 QS1-50	50D40/S1	80-140	3-15	Tofa	39		Phenolic modified short oil alkyd	Quick drying, good adhesion to metal, water resistance, corrosion resistance	•		•		•	•	•	•	•
Urakyd™ HS242 Q-80	80D40	10-20	max 12	Sofa	52		Good gloss retention, extra long durability	Good outdoor durability, high gloss retention		•	•		•	•	•	•	•
Urakyd™ OR313 Q-55	55D40	27-33	0-3	Soya/DCO	70		Quick drying, hard, tough, scratch resistant	Quick drying, high hardness, high abresion resistance	•	•	•		•				•



Excellence never goes out of style, which is why Synres is the painter’s preference

Personalized resins
Since 1947



Car Refinish

AUTOMOTIVE REFINISH COATINGS ARE SPECIALLY FORMULATED COATINGS, IN AN AFTER-MARKET ENVIRONMENT TO RECOVER THE DAMAGES CAUSED BY EXTERNAL FACTORS SUCH AS STONES AND ACCIDENTS.

For the repair and repainting of vehicles such as:

- Cars
- Trucks
- Buses



Acrylic resins for Car Refinish

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OH% ON (SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER/SURFACER	BASECOAT	CLEARCOAT	TOPCOAT	1K	2K	UNDERBODY COAT	SPRAY CAN
Uracron™ CY472 E-57	57BAC	30-70	6-12	1.7	Hydroxy acrylic resin	Quick drying	•					•		
Uracron™ CY468 XF-60	60X/MPA	35-55	3-8	1.8	Hydroxy acrylic resin	Quick drying, adhesion on plastic	•					•		
Uracron™ CY463 E-50	50BAC	33-48	15-25	2.0	Hydroxy acrylic resin	Quick physical drying, broad compatible, mix with CAB or NC, long potlife	•					•		
Uracron™ FH28 70BAC	70BAC	15-25	0-5	2.7	Hydroxy acrylic resin	Higher flexibility, adhesion on metals, long potlife	•			•		•	•	
Uracron™ CY129 E-70	70BAC	80-130	6-10	2.8	Hydroxy acrylic resin	Very high initial gloss and very good gloss retention.	•		•			•		
Uracron™ CY430 E-70	70BAC	40-60	6-10	3.0	Hydroxy acrylic resin	Medium to high solids. Very high initial gloss and very good appearance.	•		•	•		•		
Uracron™ CY475 E-60	60BAC	30-55	8-18	3.1	Hydroxy acrylic resin	Fast drying at medium solids.	•		•	•		•		•
Uracron™ CY134 E-70	70BAC	30-55	0-10	3.4	Hydroxy acrylic resin	Quick chemical drying. Good chemical resistance. Adhesion to Aluminum.	•		•	•		•		
Uracron™ CY135 XS1E-60	60 X/S1/BAC	50-80	10-15	3.5	Hydroxy acrylic resin	Fast drying, high mechanical strength, high chemical resistance	•			•		•		
Uracron™ CY142 E-70	70BAC	30-50	12.5-17.5	4.2	Hydroxy acrylic resin	Fast drying, high mechanical strength, high chemical resistance	•			•		•		
Uracron™ CY450 S1E-65	65 S1/BAC	55-80	4-8	4.2	Hydroxy acrylic resin	High chemical resistance, petrol resistance, flexible	•		•	•		•		
Uracron™ CY474 E-70	70BAC	35-55	4-8	4.2	Hydroxy acrylic resin	High Solids, quick drying	•		•	•		•		
Uracron™ CY499 E-75	75BAC	55-75	4-8	4.2	High solid hydroxy acrylic	High Solids 420 grams/liter.	•		•	•		•		
Uracron™ CY836 E-75	75BAC	35-60	6-10	3.6	High solid hydroxy acryclic	High Solids < 420 grams/liter, good appearance, economy grade								
Uracron™ CY839 E-75	75BAC	30-50	4-8	3.9	High solid hydroxy acryclic	High Solids < 420 grams/liter, very good weathering resistance								
Uracron™ CY841 E-75	75BAC	65-100	8-12	4.1	High solid hydroxy acryclic	High Solids < 420 g/l, very fast drying, good weathering and chemical resistance								
Uracron™ CY842 E-75	75BAC	35-95	0-10	4.2	High solid hydroxy acrylic	High Solids < 420 g/l, fast hardness development, early polishable	•		•	•		•		
Uracron™ CR226 XB-50	50X/Butanol	7.5-10.5	10-14	1.8	Hydroxy acrylic resin	Basecoat resin. Broad compatibility, with amino resins, CAB and NC	•	•			•			•
Urathix™ CY4630 E-50	50BAC	33-48	15-25	2.0	Hydroxy acrylic resin	Quick physical drying, broad compatible, adhesion on plastics, long potlife	•	•				•		

Alkyd resins for Car Refinish

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OIL TYPE	OIL LENGTH (%)	OH% (ON SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER/SURFACER	TOPCOAT	1K	2K
Urakyd™ AM351 X-50	50X	20-30	26-32	TOFA	32		Phenolic modified short oil alkyds	Very quick physical drying, low solids, good anti-corrosion	•		•	
Urakyd™ AM356 X-60	60X	60-85	10-20	Linseed/tung	34		Phenolic modified short oil alkyd	Quick drying, good anti-corrosion	•		•	
Urakyd™ AM352 X-60	60X	52-58	< 25	TOFA/tung	37		Phenolic modified short oil alkyd	Quick drying, good anti-corrosion	•		•	
Urakyd™ B-32 75BAC	75BAC	75-110	<15	Linoleic rich	32	2.4	Chain stopped Short oil alkyd	Broad compatibility with acrylics, NC	•	•	•	•
Urakyd™ AK429 X-60	60X	34-45	5-10	Conjugated/ SOFA	40	2.7	Chain stopped medium oil alkyd	Synthetic topcoats. Quick drying, also in high layer thickness	•	•	•	•
Urakyd™ AK436 W-55	55WS	60-80	5-10	SOFA	49	1.9	Chain stopped medium oil alkyd	Synthetic topcoats	•	•	•	•
Urakyd™ AD525 X-60	60X	54-66	6-12	TOFA	42	3.8	Medium oil alkyd	Nitrocellulose paints	•	•	•	



AGRICULTURE, CONSTRUCTION & EARTHMOVING (ACE) MARKET SEGMENT. THIS SEGMENT IS MAINLY DRIVEN BY IMPROVING THE DECORATIVE ASPECTS, CORROSION PROTECTION AND DURABILITY OF THE COATED OBJECT. THE MACHINES ARE COMPOSED OF MATERIALS LIKE IRON, ALUMINUM AND PLASTIC. THE VARYING MATERIALS, QUALITY AND PRODUCT SPECIFICATIONS MAKE THE ACE MARKET VERY DIVERSIFIED.





Agriculture, Construction & Earthmoving

Coatings designed to decorate and protect:

- Tractors for agricultural and forestry usage
- Combine harvesters
- Hay balers
- Planting equipment
- Bulldozers, crawler, wheel loaders, rigid dump trucks
- Cranes & Mining equipment
- Small dumper trucks, compressors, cement mixers, tooling
- Service vehicles

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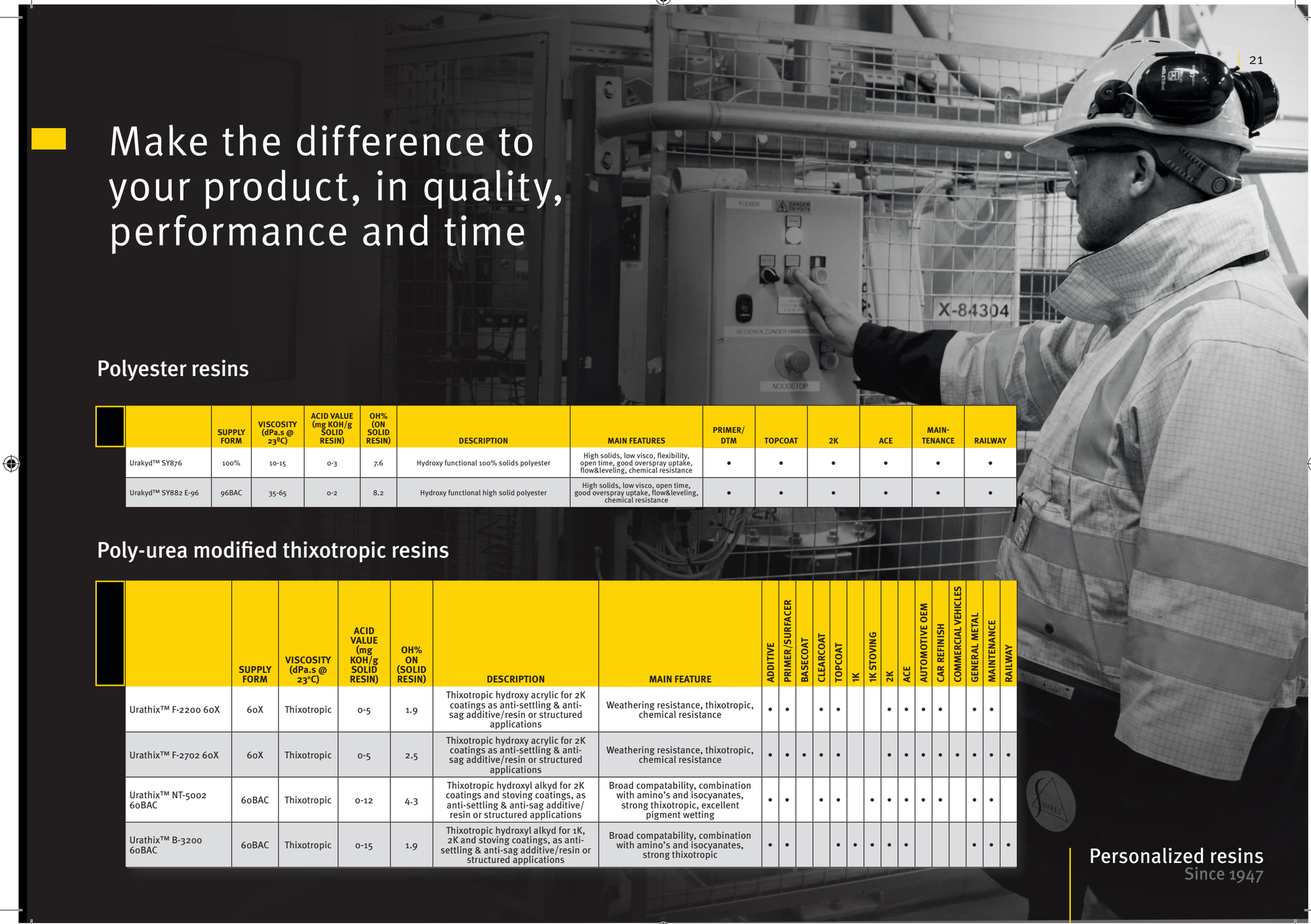
Acrylic resins for ACE

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OH% ON (SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER/SURFACER	DIRECT TO METAL	TOPCOAT
Uracron™ F18 NV 60X	60X	18-28	0-5	1.8	Hydroxy acrylic resin	Low OH value, fast drying, adhesion on metals, good combination of flexibility and hardness	•	•	•
Uracron™ FH19 75BAC	75BAC	50-70	4-8	1.9	High solid hydroxy acrylic	High solids, adhesion on metals	•		•
Uracron™ FH28 70BAC	70BAC	15-25	0-5	2.7	High solid hydroxy acrylic	High flexibility, adhesion on metals, long potlife	•	•	•
Uracron™ CY430 E-70	70BAC	40-60	6-10	3.0	High solid hydroxy acrylic	"Medium to high solids. Very high initial gloss and very good appearance."	•		•
Uracron™ CY134 E-70	70BAC	30-55	0-10	3.4	High solid hydroxy acrylic	"Quick chemical drying. Good chemical resistance. Adhesion to Aluminum."	•	•	•
Uracron™ CY836 E-75	75BAC	35-60	6-10	3.6	Very high solid hydroxy acrylic	High solids, good appearance, economy grade	•	•	•
Uracron™ FH36 75BAC	75BAC	60-110	6-10	3.6	Very high solid hydroxy acrylic	High solids, fast drying and hardness development			•
Uracron™ CY142 E-70	70BAC	30-50	12.5-17.5	4.2	High solid hydroxy acrylic resin	High solids, long open time, good overspray uptake			•
Uracron™ CY450 S1E-65	65S1/BAC	55-80	4-8	4.2	Hydroxy acrylic resin	High chemical resistance, petrol resistance, flexible			•
Uracron™ CY474 E-70	70BAC	35-55	4-8	4.2	High solid hydroxy acrylic	High Solids. Quick drying			•
Uracron™ CY499 E-75	75BAC	55-75	4-8	4.2	High solid hydroxy acrylic	High Solids 420 gram/liter.			•
Uracron™ CY433 XE-60	60X/BAC	60-85	5-10	4.5	Hydroxy acrylic resin	High durability, high gloss retention, high chemical resistance, petrol resistance			•

Alkyd resins for ACE

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OIL TYPE	OIL LENGTH (%)	OH% ON (SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER/SURFACER	TOPCOAT	1K	2K
Urakyd™ AM351 X-50	50X	20-30	26-32	TOFA	32		Phenolic modified short oil alkyd	Very quick physical drying, low solids, good anti-corrosion	•		•	
Urakyd™ AM356 X-60	60X	60-85	10-20	Linseed	34		phenolic modified short oil alkyd	Quick drying, good anti-corrosion	•		•	
Urakyd™ AM352 X-60	60X	52-58	15-25	TOFA	37		Phenolic modified short oil alkyd	Quick drying, good anti-corrosion	•		•	
Urakyd™ B-32 75BAC	75BAC	75-110	<15	Linoleic rich	32	2.4	Chain stopped short oil alkyd	Broad compatibility with acrylics, NC	•	•	•	•
Urakyd™ AK429 X-60	60X	34-45	5-10	Conjugated/ SOFA	40	2.7	Chain stopped medium oil alkyd	Synthetic topcoats. Quick drying, also in high layer thickness	•	•	•	•
Urakyd™ AK436 W-55	55WS	60-80	5-10	SOFA	49	1.9	Chain stopped medium oil alkyd	Synthetic topcoats	•	•	•	•

Make the difference to your product, in quality, performance and time



Polyester resins

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OH% (ON SOLID RESIN)	DESCRIPTION	MAIN FEATURES	PRIMER/ DTM	TOPCOAT	2K	ACE	MAIN-TENANCE	RAILWAY
Urakyd™ SY876	100%	10-15	0-3	7.6	Hydroxy functional 100% solids polyester	High solids, low visco, flexibility, open time, good overspray uptake, flow&leveling, chemical resistance	•	•	•	•	•	•
Urakyd™ SY882 E-96	96BAC	35-65	0-2	8.2	Hydroxy functional high solid polyester	High solids, low visco, open time, good overspray uptake, flow&leveling, chemical resistance	•	•	•	•	•	•

Poly-urea modified thixotropic resins

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OH% ON (SOLID RESIN)	DESCRIPTION	MAIN FEATURE	ADDITIVE	PRIMER/SURFACER	BASECOAT	CLEARCOAT	TOPCOAT	1K	1K STOVING	2K	ACE	AUTOMOTIVE OEM	CAR REFINISH	COMMERCIAL VEHICLES	GENERAL METAL	MAINTENANCE	RAILWAY
Urathix™ F-2200 60X	60X	Thixotropic	0-5	1.9	Thixotropic hydroxy acrylic for 2K coatings as anti-settling & anti-sag additive/resin or structured applications	Weathering resistance, thixotropic, chemical resistance	•	•		•	•			•	•	•	•		•	•	
Urathix™ F-2702 60X	60X	Thixotropic	0-5	2.5	Thixotropic hydroxy acrylic for 2K coatings as anti-settling & anti-sag additive/resin or structured applications	Weathering resistance, thixotropic, chemical resistance	•	•	•	•	•			•	•	•	•	•	•	•	•
Urathix™ NT-5002 60BAC	60BAC	Thixotropic	0-12	4.3	Thixotropic hydroxyl alkyd for 2K coatings and stoving coatings, as anti-settling & anti-sag additive/ resin or structured applications	Broad compatability, combination with amino's and isocyanates, strong thixotropic, excellent pigment wetting	•	•		•	•		•	•	•	•	•		•	•	
Urathix™ B-3200 60BAC	60BAC	Thixotropic	0-15	1.9	Thixotropic hydroxyl alkyd for 1K, 2K and stoving coatings, as anti-settling & anti-sag additive/resin or structured applications	Broad compatability, combination with amino's and isocyanates, strong thixotropic	•	•			•	•	•	•	•				•	•	•

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Industrial

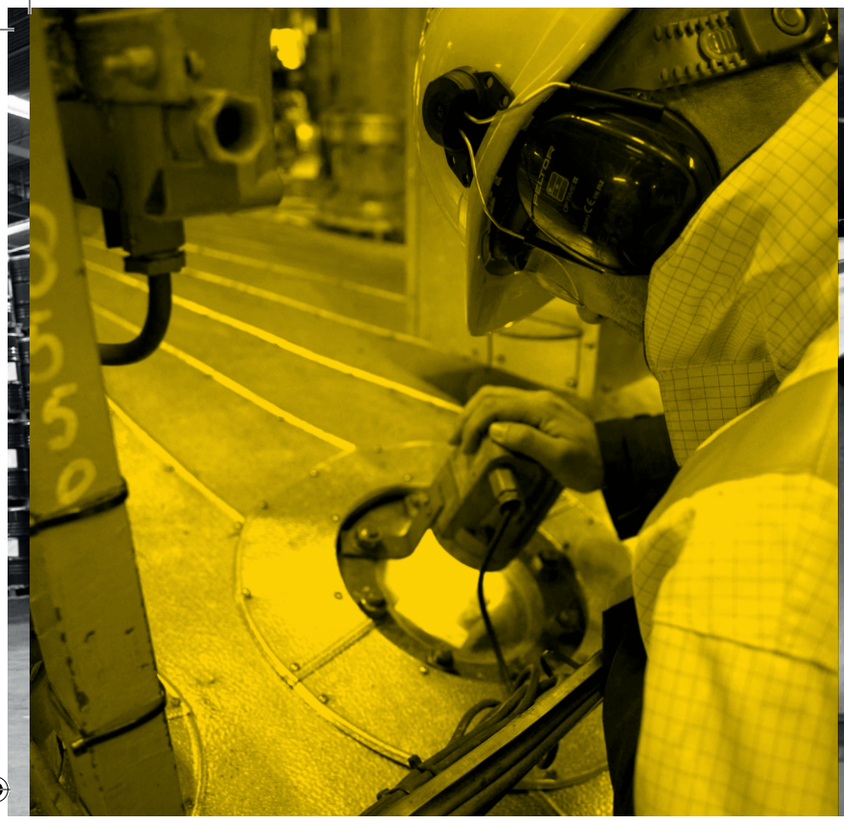
Factory applied coatings for mainly metal and plastic, designed to decorate and protect:

- Cans & coils
- White goods
- Cars (automotive market)
- Electronics



Acrylic resins for Industrial

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OH% ON (SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER/SURFACER	BASECOAT	CLEARCOAT	TOPCOAT	1K STOVING	2K	AUTOMOTIVE OEM	COMMERCIAL VEHICLES	PLASTICS	CAN, COIL, PACKAGING
Uracron™ CR203 M3-54-ND	54M3	16-26	12-17		Thermosetting hydroxy acrylic resin	Good flow properties, sterilisation resistance			•	•	•					•
Uracron™ CR226 XB-50	50X/ Butanol	7.5-10.5	10-14	1.8	Thermosetting hydroxy acrylic resin	Weathering resistance, compatibility (with CAB), scratch resistance		•	•	•	•		•	•	•	•
Uracron™ CR250 X-50	50X	15-35	14-18		Thermosetting hydroxy acrylic resin	Combination resin with PVDF for coil application			•	•	•					•
Uracron™ CS206 XB-52 ND	52X/ Butanol	13-19	10-17		Thermosetting self cross linking acrylic resin	Flexibility, detergent resistance, adhesion, high build				•	•					•
Uracron™ CY458 XE-50	50X/BAC	55-85	14-18	1,8	Acrylic polyol	Universal, high reactivity, plastic adhesion	•		•	•		•	•		•	
Uracron™ CY463 E-50	50BAC	33-48	15-25	2,0	Acrylic polyol	Quick drying, high hardness, broad CAB compatibility	•		•	•		•	•		•	







Alkyd resins for Industrial

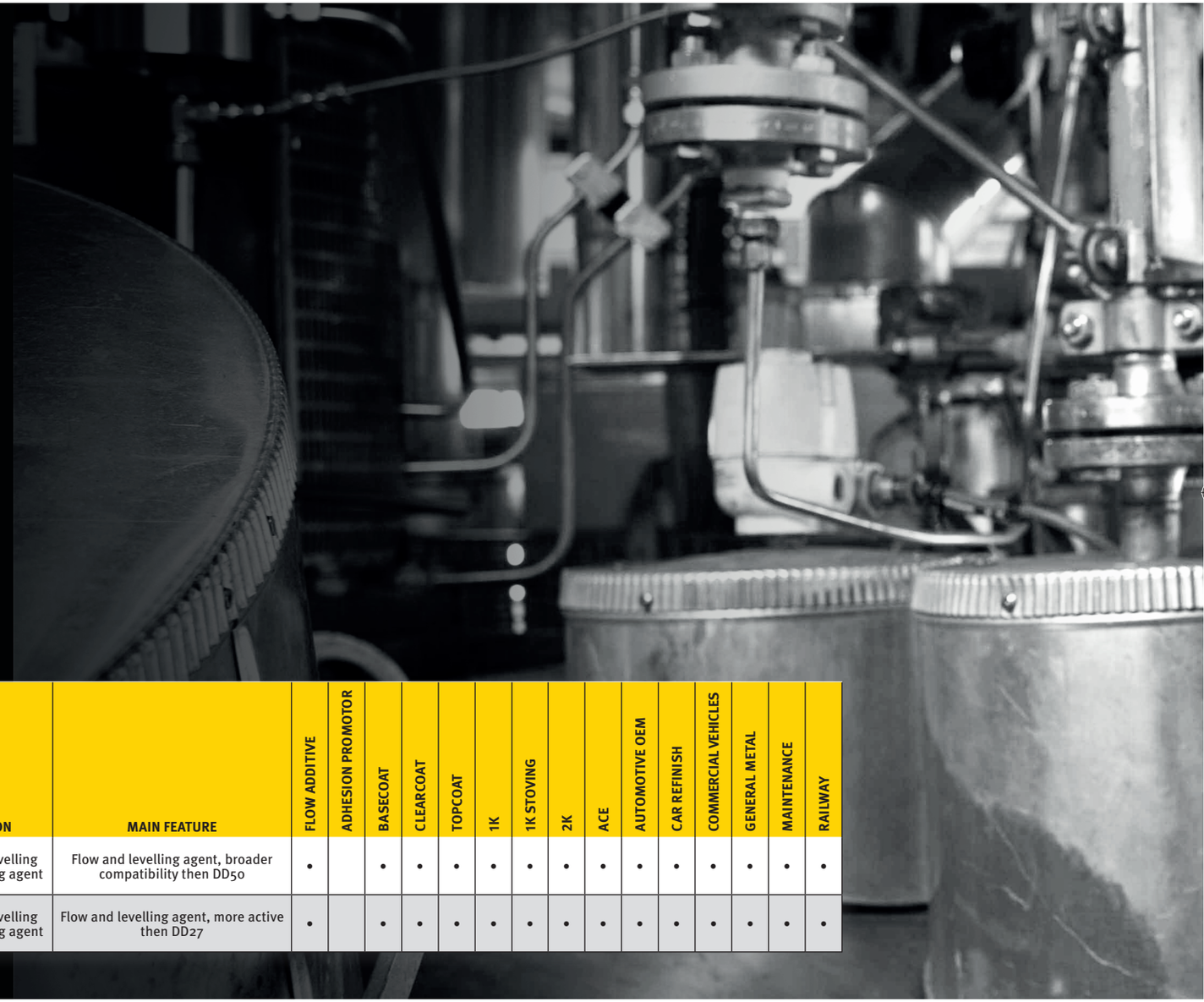
	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	OIL TYPE	OIL LENGTH (%)	OH% (ON SOLID RESIN)	DESCRIPTION	MAIN FEATURE	PRIMER/SURFACER	BASECOAT	TOPCOAT	1K STOVING	2K	AUTOMOTIVE OEM	COMMERCIAL VEHICLES	PLASTICS
Urakyd™ B-32 75BAC	75BAC	75-110	<15	Vegetable	32	2.4	High solid short oil alkyd	Rapid drying, broad compatibility	•	•	•	•	•	•	•	•
Urakyd™ AD525 X-60	60X	54-66	6-12	Tofa	42	3.8	Medium oil alkyd	Broad compatibility, amino resins, NC	•	•	•	•		•		•
Urakyd™ AK418 X-60	60X	23-31	max 10	Soya	28	2.0	Short oil alkyd	Quick drying, economical	•		•	•				
Urakyd™ AK422 X-60	60X	65-78	5-10	Sofa	31	3.2	Short oil alkyd	Quick drying	•		•	•				
Urakyd™ AK424 X-60	60X	36-47	4-9	Sofa	22	2.5	Short oil alkyd	Quick drying	•		•	•				
Urakyd™ AN620 E-70	70BAC	10-20	5-10	Saturated fatty acids	30	4.0	Short oil alkyd	Gloss level, low yellowing, flexibility			•	•	•			
Urakyd™ AN620 X-70	70X	50-60	5-10	Saturated fatty acids	30	4.0	Short oil alkyd	Gloss level, low yellowing, flexibility			•	•				

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Additives

Products which can be added to coatings in low dosage, to improve properties like:

- Flow
- Levelling
- Anti foaming
- Substrate wetting



Additive

	SUPPLY FORM	VISCOSITY (dPa.s @ 23°C)	ACID VALUE (mg KOH/g SOLID RESIN)	DESCRIPTION	MAIN FEATURE	FLOW ADDITIVE	ADHESION PROMOTOR	BASECOAT	CLEARCOAT	TOPCOAT	1K	1K STOVING	2K	ACE	AUTOMOTIVE OEM	CAR REFINISH	COMMERCIAL VEHICLES	GENERAL METAL	MAINTENANCE	RAILWAY
Urad™ DD27	75 Solvesso 150 ND /n-Butanol	10-20	0-3	Acrylic resin. Levelling and anti-cratering agent	Flow and levelling agent, broader compatibility then DD50	•		•	•	•	•	•	•	•	•	•	•	•	•	•
Urad™ DD50	75 Butanol	15-35	0-5	Acrylic resin. Levelling and anti-cratering agent	Flow and levelling agent, more active then DD27	•		•	•	•	•	•	•	•	•	•	•	•	•	•



SOLVENT CODE	PRODUCT
B	n-Butanol
B3	Isopropanol
BAC	Butyl acetate
E	Butyl acetate
F	PMA (MPA) Methoxy propyl acetate
K	MEK
K1	MIBK
K21	White Spirit
MPA	Methoxy propyl acetate
M3	Solvesso 150 ND/Butyl glycol/ Ethoxy propanol/n-Butanol
P	Special Boiling point 100-145°C
Q	Aliphatic solvent (Exxsol D40)
Q1	High flash aliphatic solvent (Exxsol D60)
S1	Solvesso 100
S2	Solvesso 150 ND
SOLA	Solvesso 100
V	White spirit < 5% aromatic
V2	Isopar H
W	White spirit
WS	White spirit
X	Xylene

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FROM ITS EARLIEST DAYS IN 1947, SYNRES (SYNTHETIC RESINS) HAS BEEN SYNONYMOUS WITH QUALITY, SERVICE AND RELIABILITY.

TODAY WE'RE STILL COMMITTED TO THE HIGHEST LEVELS OF EXCELLENCE IN PRODUCTION AND SUPPLY TO OUR GROWING CUSTOMER BASE.
OUR PROVEN TRACK RECORD AND HIGH LEVELS OF CUSTOMER SATISFACTION ARE TESTAMENT TO THE VALUES THAT HAVE MADE SYNRES THE SUPPLIER OF CHOICE FOR SOME OF THE WORLD'S LEADING COATING PRODUCERS.

SINCE 2022, SYNRES IS PART OF THE COIM GROUP.



It's not just what we make, but how we work that makes Synres the supplier of choice for some of the world's leading coating producers.

Four values underpin our business. Consistency in product and operational excellence. Agility to respond to our customers needs and changing markets. An entrepreneurial spirit to improve and grow. And fairness, because we're in this for the long term and believe in respect and integrity. Our future will be built on these values. Welcome to Synres.

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