

Advanced polymer technologies for can and coil.





Building a circular future, together.

The demand for more circular solutions is rising at a faster pace than ever before as the world collectively strives to tackle today's global challenges. Climate change, population growth, urbanization, digitalization and mobility are pushing players from every sector to find more sustainable solutions and to lay the foundations for climate neutrality by driving a Circular Economy. The challenge is not only to create these circular solutions, but also to maintain quality, durability and productivity.

Innovation is key to satisfying these demands and creating added value for customers, society and the environment by turning targets into realities. At Covestro, our long-standing expertise in aliphatic and aromatic polyisocyanates and more sustainable resins goes hand-in-hand with our purpose to constantly push boundaries in the search for future-oriented solutions. Through joint solutions, alternative raw materials, innovative recycling, and harnessing renewable energy, we're enabling coatings and adhesives producers to meet the circular challenge, here and now.

We're expanding our portfolio to include bio-based or recycled raw materials in coatings, adhesives, and specialty areas from cosmetics to textiles and 3D printing. Thanks to our mass balancing approach, we're helping close the loop by gradually replacing fossil fuels with ISCC-certified renewable resources. Our drop-in solutions ensure the high quality, consistent performance and easy processing that keep your production running smoothly. And we're constantly working to provide the global support, facilities and supply chain security you need to forge yet more circular innovations in infrastructure, automotive, furniture and more.

Material solutions can help turn circular targets into realities. Let's make the world a brighter place, together.





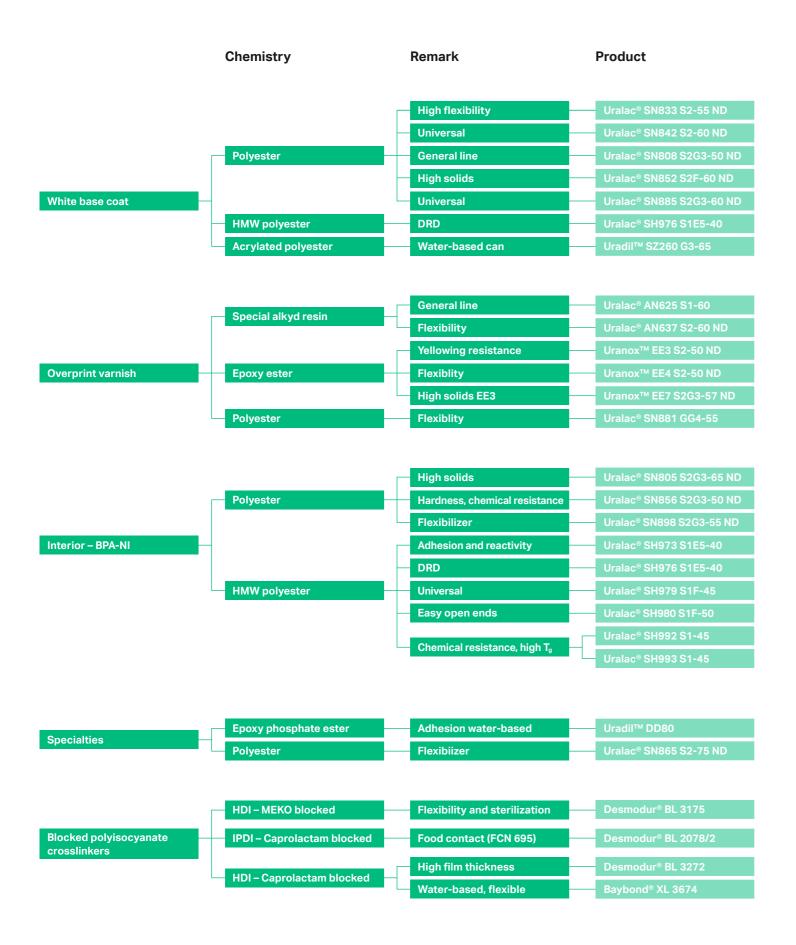
Can and coil.

Based on our strong collaborative partnerships with customers and our unique understanding of materials science and applications, we provide creative solutions for metal coating markets worldwide. Inspired breakthroughs that meet our customers' challenges and improve people's lives – now and for many generations to come.

We have long expertise in materials science, applications and in the value chain for metal packaging (can) and pre-coated metal (coil). Our portfolio covers a diverse range of resins and crosslinkers, from solventborne to waterborne, for pre-coated metal applications like construction and facades, and for metal packaging, including interior (food) and exterior can applications. Our broad technology expertise spans polyesters, acrylics, alkyds, and urethane chemistries. Our customer partnerships allow us to efficiently develop new products and improve existing ones to meet your toughest requirements, and do this in a way that's more sustainable. For instance, improved sustainability with enhanced properties like improved durability for facade panels, preferably using more sustainable and renewable building blocks. Offering tailor-made BPA-NI solutions for interior food cans. Sustainability is our main driver, making our products future-proof and prepared for the challenges ahead of us.

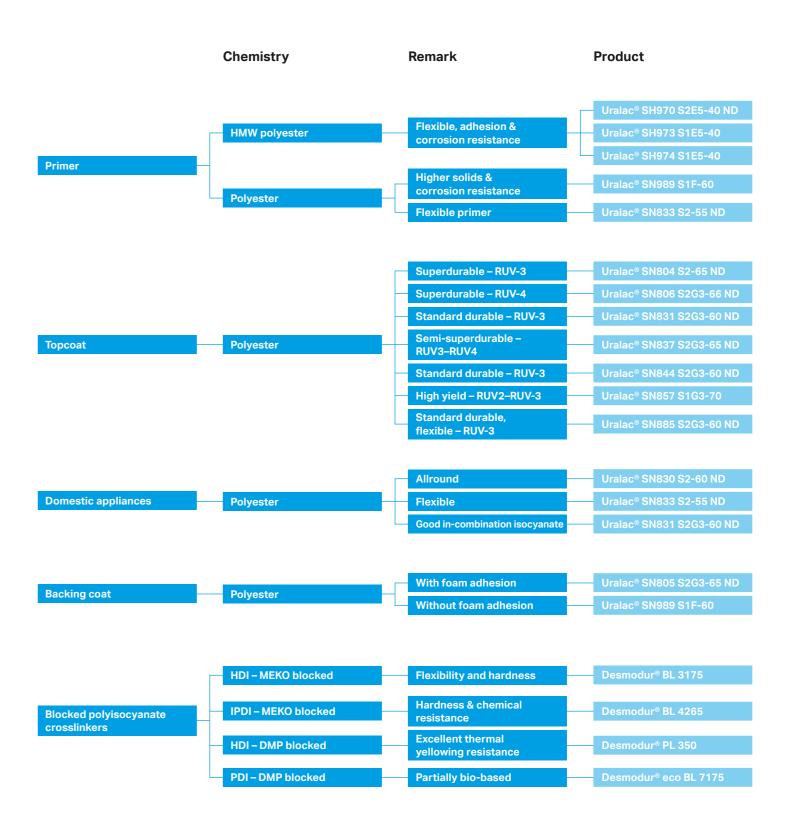
Product Selection Guide

Can coating raw materials



Product Selection Guide

Coil coating raw materials



Can and coil

Can

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	SUPPLY FORM										FLEXIBILITY STERILIZATION			ION	SIZING	CLEAR ZING VARNISH			3-PIECE CANS & GENERAL LINE T			
Solventborne saturated polyester and alkyd resins		SOLID CONTENT 9		MOLECULAR WEIGHT (Mn)		OH-VALUE (APPROX.)		DESCRIPTION		MAIN FEATURES		HARDNES	S	WET ON WE		WHITE BAS COAT	E	INTERIOR BPA-NI		MONOBLOC AEROSOLS		B&B CANS
Uralac® AN625 S1-60	S1	60	3.7–5.2	3,000	0	86	5–10	Short oil alkyd resin based on saturated fatty acids for overprint varnish		OPV, yellowing resis. wet on wet	2	5	5	5			•••	••	•••			
Uralac® AN637 S2-60 ND	S2 ND	60	2.5–4.0	4,500	16	17	2–10	Short oil alkyd resin based on versatic acids for overprint varnish		OPV flexibility	5	2	5	5			•••		•••			
Uralac® SN805 S2G3-65 ND	S2G3 ND	65	2.6-3.6	3,000	0	110	4–8	Saturated polyester resin for general purpose		High solids	2	3	5	1		••		••	•••			
Uralac® SN808 S2G3-50 ND	S2G3 ND	50	2.0-2.8	5,200	28	40	2–5	Saturated polyester resin for white base coat		General Line	4	4	5	2		•••			•••			
Uralac® SN825 M1-50 ND	M1 ND	50	4.2-5.6	5,000	50	10	8–10	Saturated polyester resin for aerosols		Adhesion on aliminium	4	5	5	2		•••	••			•••		
Uralac® SN833 S2-55 ND	S2 ND	55	3.6-4.6	6,000	32	22	3–5	Saturated polyester resin for flexible white base coat		Deep draw, flexibility	5	3	5	2		•••			•••	••		
Uralac® SN842 S2-60 ND	S2 ND	60	12.5–16.5	4,000	25	25	5–10	Saturated polyester resin for general purpose		Flexibility, block resistance	5	3	5	3		•••			•••	••	•••	
Uralac® SN852 S2F-60 ND	S2F ND	60	4.5-6.5	4,300	21	45	4–7	Saturated polyester resin for white base coat		Good compatibility BPA-NI	4	3	5	2		•••		••	•••			
Uralac® SN856 S2G3-50 ND	S2G3 ND	50	1.4-2.0	4,000	58	55	0–5	Saturated polyester resin for interior BPA-NI		Hardness chemical BPA-NI	3	5	5	2		••	••	•••	•••			
Uralac® SN881 GG4-55	GG4	55	1.1–1.3	4,500	16	25	0–4	Saturated polyester resin for overprint varnish		OPV, flexibility, wet on wet	5	2	5	5			•••		•••	••		
Uralac® SN885 S2G3-60 ND	S2G3 ND	60	5.5-8.5	5,000	29	20	1–4	Saturated polyester resin for white base coat		General Line	4	3	5	2		•••	•	••	•••	•		
Uralac® SN898 S2G3-55 ND	S2G3 ND	55	1.6-2.1	5,000	7	24	0–3	Saturated polyester resin for interior BPA-NI		Flexibilizer BPA-NI mix resin	5	2	4	2				•••	•••			
Uralac® SN908 S2E5-50 ND	S2E5 ND	50	1.8-2.6	5,000	51	24	3–8	Saturated polyester resin for aerosols		Good adhesion on aluminium	3	5	5	1	•	•••			•	•••	•	
Uralac® SN908 S1E5-50	S1E5	50	1.8–2.6	5,000	51	24	3–8	Saturated polyester resin for aerosols (not intentionally added naphtalene)		Good adhesion on aluminium	3	5	5	1	•	•••			•	•••	•	
Uralac® SH970 S2E5-40 ND	S2E5 ND	40	3.5-4.5	15,000	67	7	0–4	High molecular weight saturated polyester BPA-NI		Mix resin high Tg	5	5	5	1	•			•	••	••		
Uralac® SH973 S1E5-40	S1E5	40	3.8-4.7	20,000	65	7	8–10	High molecular weight saturated polyester BPA-NI		Reactive	5	5	5	1	•			•••	••			
Uralac® SH976 S1E5-40	S1E5	40	3.5-4.5	15,000	40	7	0–3	High molecular weight saturated polyester BPA-NI		Flexible BPA-NI compatibility	5	4	5	1	•••	••		•••	•••		•	
Uralac® SH979 S1F-45	S1F	45	3.5-5.0	11,000	55	7	5–9	High molecular weight saturated polyester BPA-NI		Universal BPA-NI	5	5	5	1		••		•••	•••			
Uralac® SH980 S1F-50	S1F	50	1.7-2.3	9,000	14	20	0–3	High molecular weight saturated polyester BPA-NI		Flexible BPA-NI	5	3	4	3			•	•••	•••			
Uralac® SH992 S1-45	S1	45	1.0–1.8	8,000	93	10	0–3	High molecular weight saturated polyester BPA-NI		Chemical resistance BPA-NI	5	5	5	1				•••	•••			
Uralac® SH993 S1-45	S1	45	2.4-3.3	10,000	93	4	0–3	High molecular weight saturated polyester BPA-NI		Chemical resistance BPA-NI	5	5	5	1				•••	•••			

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Can

	SUPPLY	FORM (Pa.s) 23°C T _g (°C) ACID VALUE					F	FLEXIBILITY STERILIZATION			N	SIZING		CLEAR VARNISH		3-PIECE CANS & GENERAL LINE		TUBES				
Water dilutable (acrylate saturated polyester resi	ea)	SOLID CONTENT 9		MOLECULAR WEIGHT (Mn)		OH-VALUE (APPROX.)		DESCRIPTION		MAIN FEATURES		HARDNESS	W	ET ON WET		HITE BASE COAT		INTERIOR BPA-NI		ONOBLOC EROSOLS		B&B CANS
Uradil™ SZ250 M1-40	M1	40	2.0-9.0	3,000	31	40	50–55	Acrylic modified saturated polyester resin for B&B		Good retort, low co-solvent	4	5	5	3		•	•••					•••
Uradil™ SZ260 G3-65	G3	65	4.0-11.0	2,500	24	17	57–63	Acrylic modified saturated polyester resin for B&B		Good flow	4	5	3	3		•••	••					•••
Acrylic modified saturat	ted																					
Uralac® SC890 S2G3-50 ND	S2G3 ND	50	0.8–1.0	3,500	33	35	45–50	Acrylic modified saturated polyester resin		Good flow	4	5	4	2		•••						•••
Epoxy esters																						
Uranox™ EE3 S2-50 ND	S2 ND	50	18–28	6,000	30		0–5	Epoxy ester resin for overprint varnish		OPV, Good yellowing resistance	3	4	5	5			•••		•••			
Uranox™ EE4 S2-50 ND	S2 ND	50	2.2-2.8	6,000	13		0–4	Epoxy ester resin for overprint varnish		OPV, flexibility	4	3	5	5			•••		•••			
Uranox™ EE7 S2G3-57 ND	S2G3 ND	57	2.6-4.1	5,400	18		0–4	Epoxy ester for high solids overprint varnish		OPV, higher solids EE3	3	3	5	5			•••		•••			
Specialties																						
Uradil™ DD80		73	6.9–10.1				45–55	Epoxy phosphate ester for water-based coatings		Adhesion promoter water-based	4	5	5			••	••			••		•••
Uralac® SN865 S2-75 ND	S2	75	6.0-7.0	4,500	-17	22	3–7	Saturated polyester resin to obtain a more flexible coating		Flexibilizer	5	1	3	2	•	•			•	•		
Crosslinkers																						
Desmodur® BL 3175	S1	75	2–4					HDI crosslinker blocked with MEKO		Flexible	5	5	5		•	•••	•••		•••	•		•
Desmodur® BL 2078/2	S1	60	1.7					IPDI crosslinker blocked with caprolactam		Food contact (FCN 695)	3	5	5		•	•••	••	•••	•••	••		•
Desmodur® BL 3272	F	72	2.7					HDI crosslinker blocked with caprolactam		High film thicknness	5	5	5		••	•••	•••		•••	•		•
Baybond® XL 3674	W	30	< 1					Waterborne dispersion HDI crosslinker blocked with caprolactam		Water-based, flexible	5	5	5		••	•••	•••		•••	•		••

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Coil

	SUPPLY VISCOSITY FORM (Pa.s) 23°C T_g (°C)			Д	CID VALUE		DESCRIPTION	SUBSTRATE		HARDNESS			A	APPLIANCES		CKING COAT			
Solventborne resins		SOLID ONTENT %		OLECULAR 'EIGHT (Mn)		OH-VALUE (APPROX.)	S	TRUCTUR	E	MAIN FEATURES		FLEXIBILITY	W	EATHERABIL	ITY	TOPCOAT INTERIOR		PRIMER	
Uralac® SH970 S2E5-40 ND	S2E5 ND	40	3.5-4.5	15,000	67	7	0–4	L	High molecular weight saturated polyester for primer coating	Corrosion protection	Steel, HDG	5	5	2		•	•	•••	
Uralac [®] SH973 S1E5-40	S1E5	40	3.8-4.7	20,000	65	7	8–10	SB	High molecular weight saturated polyester for primer coating	Corrosion protection	Steel, HDG	5	5	2		•	•	•••	
Uralac® SN989 S1F-60	S2F ND	60	3.5–7.0	4,500	51	23	1–4	L	Standard molecular weight saturated polyester for primer coating	Superdurable	Steel, HDG	3	4	2		•	•	•••	••
Uralac® SN804 S2-65 ND	S2 ND	65	4.2-4.7	3,000	23	35	0–4	SB	Saturated polyester resin for topcoat superdurable	High solid	Steel, HDG, alu	3	4	5	•••	••			
Uralac® SN805 S2G3-65 ND	S2G3 ND	65	2.6–3.6	3,000	0	110	4–8	В	Saturated polyester resin for topcoat with high reactivity and for back coating	Superdurable	Steel, HDG, alu	2	4	4	••	•			•••
Uralac® SN806 S2G3-66 ND	S2G3 ND	66	1.8 – 3.0	3,200	14	37	0–1	SB	Saturated polyester resin for outdoor durable topcoat	Domestic appliance	Steel, HDG, alu	3	4	5	•••	••			
Uralac® SN830 S2-60 ND	S2 ND	60	4.0-4.7	4,500	26	28	3–6	L	Saturated polyester resin for topcoat domestic appliances	All round	HDG, alu	4	4	4	•••	•	•••	••	
Uralac® SN831 S2G3-60 ND	S2G3 ND	60	2.7–3.6	5,000	25	32	2–5	SB	Saturated polyester resin for topcoat	Flexible	Steel, HDG, alu	4	4	4	•••	•		••	
Uralac [®] SN833 S2-55 ND	S2 ND	55	3.6–4.6	6,000	32	22	3–5	L	Saturated polyester resin for flexible topcoat and domestic appliances	Flexible	HDG, alu	4	3	3	••	••	•••	••	
Uralac® SN837 S2G3-65 ND	S2G3 ND	65	4.0-6.0	4,000	23	40	0–3	SB	Saturated polyester resin for flexible and high durable coatings	Flex, aging, cold flex	HDG, alu	4	3	4	•••	••			
Uralac® SN844 S2G3-60 ND	S2G3 ND	60	2.8–3.2	4,000	19	32	0–4	SB	Saturated polyester resin for topcoat	High yield, flex	Steel, HDG, alu	4	4	3	•••	•		•	
Uralac® SN857 S1G3-70	S1G3	70	2.7-3.4	2,500	8	50	2–5	L	Saturated polyester resin for high yield topcoat	Flexibilizer	Steel, HDG, alu	4	2	3	••	••			
Uralac [®] SN865 S2-75 ND	S2	75	6.0-7.0	4,500	-17	22	3–7	L	Saturated polyester resin for blending to obtain a more flexible coating	Flexibilizer		5	1	3	•	•	•	•	•
Uralac [®] SN867 S2E5-60 ND	S2E5 ND	60	4.2-4.8	6,000	-10	15	0–3	L	Saturated polyester resin for blending to obtain a more flexible coating	Good adhesion alu		5	1	3	•	•	•	•	•
Uralac® SN885 S2G3-60 ND	S2G3 ND	60	5.5-8.5	5,000	29	20	1–4	L	Saturated polyester resin for flexible topcoat	Good adhesion alu	Alu	5	3	3	•••	••		•	

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Coil

	SUPPLY VISCOSITY FORM (Pa.s) 23°C T_g (°C) ACID VALUE DESCRIPTION									TOPCOAT SUBSTRATE HARDNESS EXTERIOR APPLIAI								ANCES BACKIN		
Waterborne resins		SOLID CONTENT		MOLECULA WEIGHT (Mr		OH-VALUE (APPROX.)		TRUCTUF	RE	MAIN FEATURES		FLEXIBILITY	W	/EATHERABIL	.ITY	TOPCOAT INTERIOR		PRIMER		
Uradil™ SZ250 M1-40	M1	40	2.0-9.0	3,000	31	40	50–55	SB	Waterborne saturated polyesters for topcoat and primer applications	Corrosion protection		3	3	3	••	••		••		
Crosslinkers																				
Desmodur® BL 3175	S1	75	3.3						HDI crosslinker blocked with MEKO	Flexible		5	4	5	••	•••	••	•••	•••	
Desmodur® BL 4265	S1	65	11						IPDI crosslinker blocked with MEKO	Hardness & chemical resistance		4	5	5	••	•••	••	•••	•••	
Desmodur® PL 350	M1	75	4.3						HDI crosslinker blocked with DMP	Excellent thermal yellowing resistance		5	4	5	•••	•••	•••	••	•	
Desmodur® eco BL 7175	M1	75	10						PDI crosslinker blocked with DMP	Partially bio-based, bio-content approx. 32%* in supply form		5	4	5	•••	•••	•••	••	•	

^{*14}C measurement according to ASTM-D6866 standard

Abbreviations

branched resin E5 dibasicester F methoxypropylacetate G propyleneglycol monomethylether G3 butylglycol G4 dipropylene glycol monomethylether L linear resin M1 mixture of solvents ND naphthalene depleted S1 solvent naphta 100 S2 solvent naphta 150 ND S5 solvent naphta 200 ND SB slightly branched resin W HDI hexamethylene diisocyanate isophorone diisocyanate IPDI PDI pentamethylene diisocyanate MEKO methylethylketoxime DMP dimethylpyrazol



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