

technologies for can and coil.

Advanced polymer





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 handin-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

	Chemistry	Remark	Product		Chemistry	Remark	Product
		High flexibility	Uralac [®] SN833 S2-55 ND			Flexible, adhesion &	Uralac [®] SH970 S2E5-40 ND
		Universal	Uralac [®] SN842 S2-60 ND		HMW polyester	corrosion resistance	Uralac [®] SH973 S1E5-40
	Polyester	General line	Uralac [®] SN808 S2G3-50 ND	Primer	_		
		High solids	Uralac [®] SN852 S2F-60 ND		Polyostor	Higher solids & corrosion resistance	Uralac [®] SN989 S1F-60
White base coat		Universal	Uralac [®] SN885 S2G3-60 ND		Polyester	Flexible primer	Uralac [®] SN833 S2-55 ND
	HMW polyester	DRD	Uralac [®] SH976 S1E5-40				
	Acrylated polyester	Water-based can	Uradil™ SZ260 G3-65				
						Superdurable – RUV-3	Uralac [®] SN804 S2-65 ND
	Operation of the state of the s	Comparel line				Superdurable – RUV-4	Uralac [®] SN806 S2G3-66 ND
Overprint varnish	Special alkyd resin	General line	Uralac [®] AN625 S1-60			Standard durable – RUV-3 Semi-superdurable –	Uralac [®] SN831 S2G3-60 ND
	Polyester	Flexiblity	Uralac [®] SN881 GG4-55	Topcoat	Polyester	RUV3-RUV4	Uralac [®] SN837 S2G3-65 ND
						Standard durable - RUV-3	Uralac [®] SN844 S2G3-60 ND
			Uralac [®] SN805 S2G3-65 ND			High yield – RUV2–RUV-3	Uralac [®] SN857 S1G3-70
	Delvestor	High solids	Uralac [®] SN856 S2G3-55 ND			Standard durable, flexible – RUV-3	Uralac [®] SN885 S2G3-60 ND
	Polyester	Hardness, chemical resistance Flexibilizer	Uralac [®] SN898 S2G3-55 ND				
Interior – BPA-NI		Adhesion and reactivity	Uralac [®] SH973 S1E5-40			Allowing	
		DRD	Uralac [®] SH976 S1E5-40	Domestic appliances	Delvester	Allround	Uralac [®] SN830 S2-60 ND Uralac [®] SN833 S2-55 ND
	HMW polyester	Universal	Uralac [®] SH979 S1F-45		Polyester	Flexible	Uralac [®] SN831 S2G3-60 ND
		Easy open ends	Uralac [®] SH980 S1F-50			Good in-combination isocyanate	Oralac* SNo51 5205-00 ND
			Uralac [®] SH992 S1-45				
		Chemical resistance, high T_g	Uralac [®] SH993 S1-45	Backing coat	Polyester	With foam adhesion	Uralac [®] SN805 S2G3-65 ND
			Uralac [®] SH994 S1F-50	Backing coat	Polyester	Without foam adhesion	Uralac [®] SN989 S1F-60
Specialties	Epoxy phosphate ester	Adhesion water-based	Uradil™ DD80		HDI – MEKO blocked	Flexibility and hardness	Desmodur [®] BL 3175
	Polyester	Flexibiizer	Uralac [®] SN865 S2-75 ND			Hardness & chemical	Desmodur [®] BL 4265
				Blocked polyisocyanate crosslinkers	IPDI – MEKO blocked	resistance	Desmodur [®] BL 4265
	HDI – MEKO blocked	Flexibility and sterilization	Desmodur [®] BL 3175		HDI – DMP blocked	Excellent thermal yellowing resistance	Desmodur [⊚] PL 350
Blocked polyisocyanate crosslinkers	IPDI – Caprolactam blocked	Food contact (FCN 695)	Desmodur [®] BL 2078/2		PDI – DMP blocked	Partially bio-based	Desmodur [®] eco BL 7175
-crossinitors-		High film thickness	Desmodur [®] BL 3272				
	HDI – Caprolactam blocked	Water-based, flexible	Baybond [®] XL 3674				

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Can

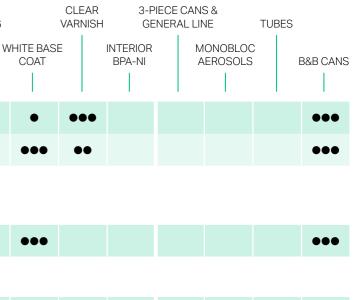
	SUPPLY FORM		VISCOSIT` (Pa.s) 23°0		T _g (°C)		ACID VALU	Ē	F	LEXIBILI	TY STE	RILIZATI	ON	SIZING		CLEAR VARNISH		ECE CANS		TUBES	
Solventborne saturated polyester and alkyd resins		SOLID CONTENT O		MOLECULAR WEIGHT (Mn)		OH-VALUE (APPROX.)		DESCRIPTION	MAIN FEATURES		HARDNESS	v	VET ON WE		VHITE BASE COAT	E	NTERIOR BPA-NI		ONOBLOC EROSOLS		3&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 [®] 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	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				•••	•••			
Uralac [®] SH994 S1F-50	S1F	50	2.5-4.0	8,000	55	16	0-3	High molecular weight saturated polyester BPA-NI	Universal BPA-NI	5	5	5	1		••		•••	•••			

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Can

	SUPPLY FORM		VISCOSITY (Pa.s) 23°C		T _g (°C)		ACID VALU	E		FLEXIBIL	LITY ST	ERILIZATI	ON	SIZING		CLEAR VARNISH		IECE CAN NERAL LII		TUBES	
Water dilutable (acrylate saturated polyester resi	ea)	SOLID CONTENT 9		MOLECULAR WEIGHT (Mn)		OH-VALUE (APPROX.)		DESCRIPTION	MAIN FEATURES		HARDNES	6 V	VET ON WE		VHITE BASE COAT	Ξ	INTERIOR BPA-NI		IONOBLOC EROSOLS	B&E	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 polyesters	ted																				
Uralac [®] SC8901 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		•••						•••
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 FORM		/ISCOSITY (Pa.s) 23°C		T _g (℃)	Д	CID VALUE		DESCRIPTION		SUBSTRATE	F	ARDNESS		TOPCOAT EXTERIOR		APPLIANCES	6 В	ACKING COAT
Solventborne resins		SOLID ONTENT %	M	OLECULAF EIGHT (Mn)	2	OH-VALUE (APPROX.)	S	TRUCTURE		MAIN FEATURES		FLEXIBILITY		EATHERABILI		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	•	•	٠	٠	•
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	•••	••		•	

Coil

Waterborne resins	SUPPLY FORM	SOLID CONTENT				OH-VALUE (APPROX.)		IE STRUCTUR	DESCRIPTION	MAIN FEATURES	SUBSTRATE	FLEXIBILITY	IARDNESS WEAT
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
Crosslinkers													
Desmodur® BL 3175	S1	75	3.3						HDI crosslinker blocked with MEKO	Flexible		5	4
Desmodur® BL 4265	S1	65	11						IPDI crosslinker blocked with MEKO	Hardness & chemical resistance		4	5
Desmodur® PL 350	M1	75	4.3						HDI crosslinker blocked with DMP	Excellent thermal yellowing resistance		5	4
Desmodur® eco BL 7175	M1	75	10						PDI crosslinker blocked with DMP	Partially bio-based, bio-content approx. 32%* in supply form		5	4

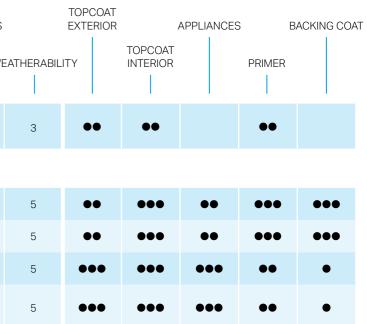
*14C measurement according to ASTM-D6866 standard

Abbreviations

DMP

В	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	water
HDI	hexamethylene diisocyanate
IPDI	isophorone diisocyanate
PDI	pentamethylene diisocyanate
MEKO	methylethylketoxime

dimethylpyrazol





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