

# Better carbon solutions for a sustainable future

Bio-based, Biomass Balanced and Recycled-based  
materials that enable the transition to a circular economy  
and support your carbon reduction journey

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**INNOVATIVE CHEMISTRY**  
FOR ALL NEX<sup>T</sup> GENERATIONS

**allnex**



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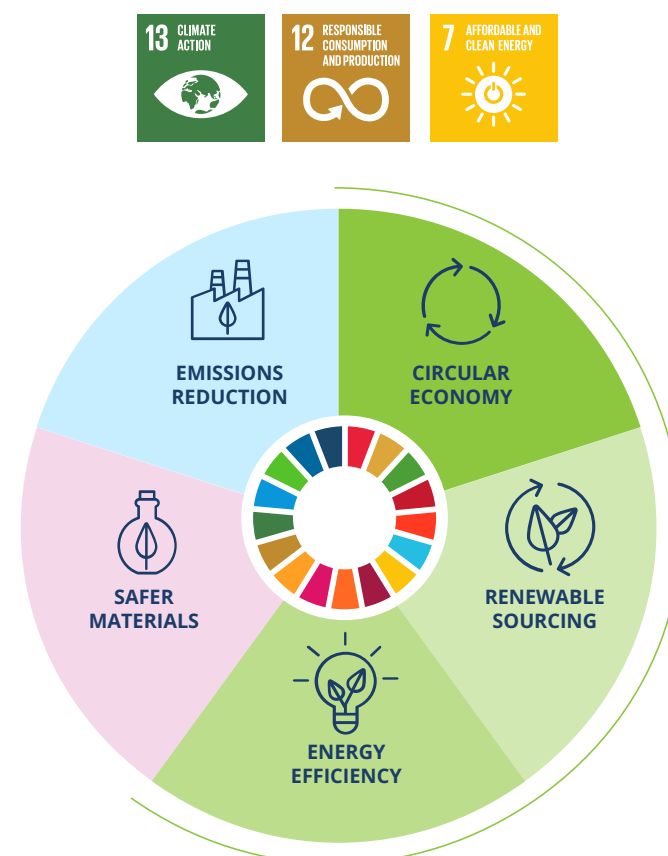
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## Our broad and diverse product portfolio provides solutions for any specific application

Proud to be a member of the UN Global Compact and committed to the United Nations Sustainable Development Goals, we have translated these UN SDG's into 5 pillars of our Sustainability program.

This brochures highlights the successes made in the “Renewable Sourcing” pillar. By switching to alternative raw materials like bio-based, recycled based and biomass balanced, we minimize the consumption of finite resources, and reduce the footprint of ourselves and our customers.



## At a glance Biobased, biomass balance, recycled



**Bio-based products** allow the quantification of the biogenic content via C14 dating techniques (ASTM D-6866).



**Biomass Balance** concept allows a reduction in Carbon Footprint without compromising performance. Multiple Mass Balance options are available for all our product categories. We are already certified with ISCC+ in our major sites.



[www.iscc-system.org](http://www.iscc-system.org)

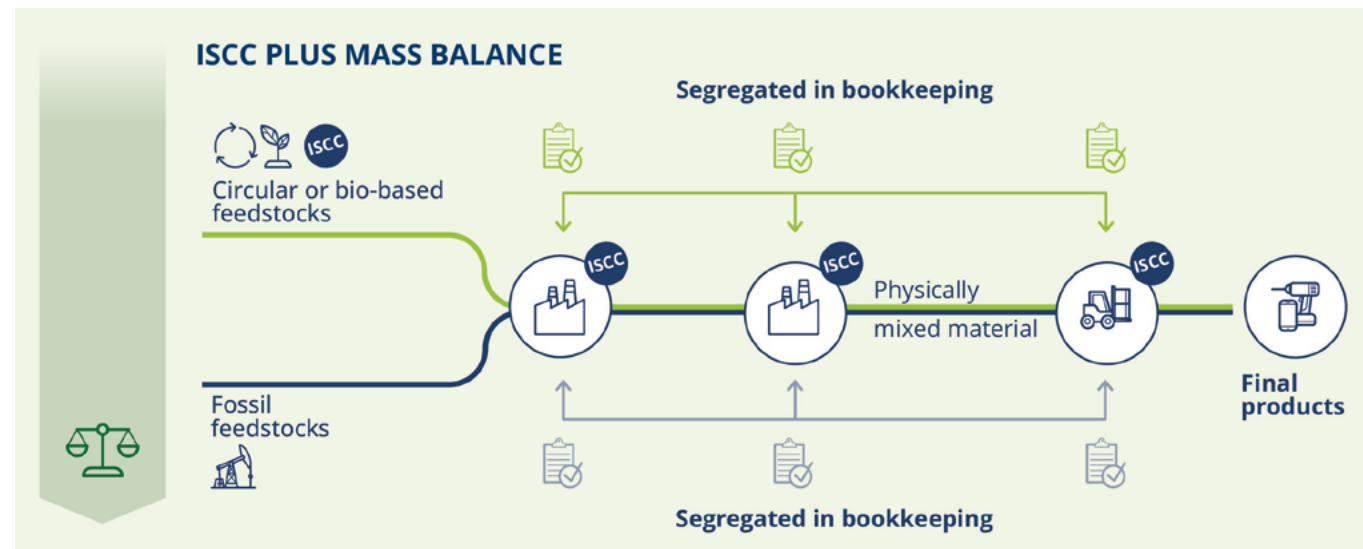


**Recycled-based products** contain post industrial or post consumer waste streams. These come with a by allnex certified statement.

Our products can be even based on a combination of these 3 categories and we are open to develop such flexible alternatives in a partnership with our customers.

## Biomass balance concept

We see already interesting volumes being sold under ISCC PLUS Mass balance certification and this in different technologies: Powders, Radcure & Liquid. As such we serve multiple customers and markets and volumes keep growing!



## GLOBAL CERTIFICATIONS

2022	2023	2024	2025	To be continued
<b>Werndorf</b> Austria	<b>Drogenbosch Schoonaarde</b> Belgium	<b>Changshu Fengxian</b> China	<b>North Augusta</b> US	
<b>Bergen-op-Zoom</b> Netherlands	<b>Bien Hoa</b> Vietnam	<b>Lillestrøm</b> Norway	<b>Wallingford</b> US	
	<b>Romano d'Ezzelino</b> Italy	<b>Rayong</b> Thailand	<b>Zhuhai</b> China	



Powder coatings

Product	Application	Acid values	Viscosity at (200 °C, Pa.s)	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
					Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
CRYLCOAT® E 04342	General Metal	35	5.5	100	42	-	57	Yes for product manufactu- red in EU for approved Legal Entities.	No	Only Malaysia and Thailand (yes to import & export)	70:30 Hybrid resin based on renewable & recyclable raw materials curing 10 mins at 180°C; good mechanical properties, outstanding ageing stability and blooming resistance.
CRYLCOAT® E 04367	General Metal	33	4	100	57	-	42	Yes for product manufactu- red in EU for approved Legal Entities.	No	Only Malaysia and Thailand (yes to import & export)	95:5 Primid industrial application exterior grade resin based on renewable & recyclable raw materials curing 10 mins at 180°C; good mechanical properties and flow, outstanding ageing stability.
CRYLCOAT® OCEAN 2489-0	General Metal	25	6.5	100	-	-	23.4	No	Yes	Yes, except Australia, Indo- nesia, Philippines, Thailand & Vietnam	Designed to be used with TGIC or HAA, formulations based on CRYLCOAT® OCEAN 2489-0 exhibit high degree of smoothness, gloss and flow out combined with high flexibility.
CRYLCOAT® OCEAN E 04811	General Metal	33	4.8	100	-	-	23	No, except Switzerland	Yes, except Canada	Only Japan, Malaysia & Taiwan	Medium reactive carboxyl functional polyester resin for use in the production of 70/30 hybrid powder coatings with excellent storage stability and general properties.
CRYLCOAT® OCEAN E 04926	General Metal	36	5	100	-	-	23.9	-	-	-	Low bake coatings based on CRYLCOAT® OCEAN E 04926 and HAA exhibit excellent blooming-resistance and good overall properties.
CRYLCOAT® OCEAN 4484-0	Architectural Extrusion ACE	32	5.5	100	-	-	9.4	-	-	-	Superdurable resin with 10% rPET, designed to be formulated with HAA or TGIC to achieve high gloss finish with excellent weathering resistance.
CRYLCOAT® OCEAN 2474-2	General Metal	32	3.5	100	-	-	23.5	-	-	-	Designed to be used with TGIC or HAA, formulations based on CRYLCOAT® OCEAN 2474-2 exhibit high degree of smoothness combined with good weathering resistance.

Liquid resins

Product	Application	Viscosity at (23°C, Pa.s)	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
				Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
SETAL® 118 XX-60	Wood acid cure, primer, stoving	5.2	60	30.8	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Switzerland & Turkey.	Yes	Yes, except Thailand	Good hardness, scratch resistance, adhesion and impact resistance, good gloss retention, very good durability, excellent pigment wetting properties.
SETAL® 142 XX-60	Primer, air drying	3.7	60	18	-	-	Yes for product manufactured in EU for approved Legal Entities.	Yes	Yes, except Japan, Philippines & Taiwan	Very fast drying, good elasticity and yellowing resistance (also at elevated temperature), good adhesion on steel.
SETAL® 199 SS-55	Industrial Metal, Vehicle Refinish	7.6	55	27	-	-	No	Yes	Only New zealand & Malaysia	Good drying properties, very good body, good color, gloss retention and exterior durability.
SETAL® 229 XX-60	Industrial Wood & Metal	9.0 - 16.0	60	26	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain, Switzerland & Turkey.	Yes - polymer exemption. Except Canada	Yes, except Philippines, Taiwan & Thailand. Australia yes - contains a PLC. China yes for specific Allnex notification units.	Good adhesion, fast curing and good pigment wetting properties.
SETAL® 270 SM-70	Wood external trim	5.5	70	46	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain.	Yes	Yes, except Indonesia, Thailand & Vietnam	Good color fastness, brushability, body and flow, good durability.
SETAL® 293	Wood external trim	1.0	99	85	-	-	No	Yes	Only Vietnam, New Zealand, Malaysia, Japan & Australia	Very good brushability, leveling, filling, high gloss, low yellowing tendency and good through hardening. Suitable as reactive diluent.
SETAL® 305 SM-90	Deco topcoats	1.5 - 3.5	90	71	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain, Turkey & Switzerland	No	Only Malaysia & New Zealand.	Very good drying, good dispersing and good durability properties.
SETAL® 301 SM-83	Wood external trim	4.8	83	59	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK,Turkey & Bahrain	Yes, except Canada.	Yes, except Indonesia, Thailand, Vietnam & Philippines	Excellent durability and drying. Minimal yellowing.
SETAL® 312 HD-88	Deco topcoats	7.0 - 11	88	57	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain & Turkey	No	Only Malasia & New Zealand	Excellent outdoor durability and very low yellowing in the dark.
SETAL® 312 SM-88	Wood external trim	7.5	88	57	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Turkey & Bahrain.	Yes - polymer exemption. Except Canada	Only Australia & Malaysia	Excellent outdoor durability and very low yellowing in the dark. Largely based on renewable raw materials. Contains ISCC PLUS certified raw materials.
SETAL® 321 SM-75	Wood external trim	6.0	75	52	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Turkey & Bahrain.	Yes - polymer exemption. Except Canada	Only Australia, New Zealand, Indonesia & Malaysia	Additive resin to improve solids, abrasion and chemical resistance. Good drying and hardness.
SETAL® 707 BA-75	Wood acid cure	5.0	75	42	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Turkey & Bahrain.	Yes	Yes, except Philippines & Thailand	For high solids acid catalyzed and nitrocellulose systems.
SETAL® 84 XX-70	Primer, stoving	5.1	69	9	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK & Bahrain	Yes	Yes, except Philippines & Korea	Very good durability, excellent color and gloss retention, high body. Suitable for acid catalyzed, nitrocellulose, two-component and stoving systems.
SETAL® A F 26 X	Metal	2.5	60	15.3	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK & Bahrain	Yes	Only China, Malaysia, New Zealand, Taiwan & Vietnam	Very rapid drying and curing, high resistance to yellowing, good weather stability and good anti-corrosion properties.



Liquid resins

Product	Application	Viscosity at (23°C, Pa.s)	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
				Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
SETAL® A F 48 TB/X	Primer, monocoat, topcoat, air drying	5.4	55	25.6	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Turkey & Bahrain	Yes	Yes, except Indonesia, Philippines, Thailand & Vietnam	Fast drying, good through-drying and curing to form defect-free films, even in thick coats. Good yellowing resistance, gloss and good gloss retention. Good weather stability.
SETAL® A U 601 HV TBA	Industrial metal, flooring - wood & surfaces	2.9	51	30.5	-	-	Only Switzerland	Yes	Yes, except Indonesia, Thailand & Vietnam	Good hardness and flexibility, high resistance to wear and abrasion, good resistance to water and household cleaning agents.
SETAL® A U 601 TB	Wood external trim	1.2	55	34.5	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Switzerland & Bahrain	Yes, except Canada.	Yes, except Japan, Korea, Philippines, Thailand & Vietnam	Rapid drying, excellent hardness, high abrasion resistance and good long-term flexibility.
SETALUX® 1915 BA-75	Vehicle Refinish clearcoats	2.6 - 9	75	21	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Switzerland, Turkey & Bahrain	Yes - polymer exemption. Except Canada	Only China, Malaysia, New Zealand & Thailand	Provides VOC compliant coatings (420 g/l) at low spray viscosity with super fast drying, high build and gloss, good mechanical properties, good chemical resistance and good outdoor durability.
SETALUX® FC 1922 BA-75	Vehicle Refinish clearcoats	2.6 - 9.6	75	22	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Switzerland, Turkey & Bahrain	Yes - polymer exemption. Except Canada	Only Indonesia, Vietnam, Thailand, Malaysia & New Zealand. Yes - Australia contains a PLC.	Ultra fast drying at ambient temperatures, excellent hardness build-up, high build and gloss, good mechanical properties and good outdoor durability.
SETYRENE™ 78 XS-55	Topcoat, air drying	1.0	55	10	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Switzerland, Bahrain & Turkey	Yes, except Canada.	Only New zealand & Malaysia	Fast drying, good pigment wetting properties, good compatibility.
SETAQUA® 6006	Industrial Wood, primer, topcoat, air drying	0.35	52	26.2	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain & Turkey	No	Only Australia (contains a PLC) , New Zealand, Malaysia & China for specific allnex notification units	Fast drying, wood penetration and corrosion resistance.
SETAQUA® 6004 YA	Industrial Wood, primer, topcoat, air drying	1.45	455	35	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain & Switzerland.	Yes - polymer exemption. Except Canada	Only Vietnam, New Zealand, Malaysia, Japan & Australia - contains a PLC	Fast drying, wood penetration, Water borne and yellowing resistance.
SETAQUA® 6407	Automotive OEM, Industrial Metal, Vehicle Refinish.	4.4	26	9.9	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain & Turkey	Yes	Yes, except Thailand, Vietnam, Indonesia, Japan & Philippines	Pigment dispersing resin that provides good pigment wetting, good stabilization of aluminium pigments, improved film forming and flow.
SETAQUA® 8800	Wood, sealer, primer and topcoat, air drying	0.2	40	-	35.9	44.8	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain, Turkey & Switzerland	Yes on US - polymer exemption. Yes Canada.	Yes, except Indonesia, Japan, Thailand & Philippines	Multi-purpose surfactant free self-crosslinking. Offers excellent hardness, fast drying, good sandability and chemical resistance.
SETATHANE® D 1160	Flooring	1	100	78.5	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK & Bahrain	Yes	Yes, except Philippines	Flexibility, lower hardness, retaining mechanical strenght, elastomeric nature.
SETATHANE® D 1150	Flooring	3.5	100	76.4	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain	Yes	Yes	Tough yet flexible. Hard-wearing and chemical resistant.
SETATHANE® D 1156	Flooring	1.1	100	79.4	-	-	Yes for product manufactured in EU for approved Legal Entities. Except UK, Bahrain, Turkey & Switzerland	Yes	Yes, except Indonesia	A reactive diluent for combination with e.g. SETATHANE® D 1145, SETATHANE® D 1150 and SETATHANE® D 1160 in the formulation of 2-pack PU formulations and coatings to modify physical and mechanical properties.

Liquid resins

Product	Application	Viscosity at (23°C, Pa.s)	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
				Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
SETATHANE® D 1145	Flooring	3	100	63.9	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain	Yes	Yes	Tough, hard-wearing, higher chemical resistance.
SETATHANE® D E 2761	Flooring	0.3	70	73	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & UK	Yes, except Canada.	Yes, except Japan	Resistance to organic and inorganic acids, alkalis and solvents. Thermal shock resistant.
RESYDROL® AM 420w/66BPWA	Primer, topcoat, monocoat stoving	2	66	34	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain, UK, Switzerland & Turkey	Yes, except Canada.	Only Thailand, Taiwan, Japan, Malaysia & New Zealand	Adhesion, balanced hardness and flexiblity, corrosion resistance.
RESYDROL® AX 246w/70BG	Primer stoving	16	70	17.1	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Turkey, Bahrain & UK	Yes, except Canada.	Yes, except Australia, Pihlippines, Indonesia & Vietnam	Dipping paints. Combined with CYMEL® 303 LF - offers corrosion resistance.
RESYDROL® AX 247w/70BGMP	Stoving coatings	13	70	17	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Switzerland, Bahrain & UK	Yes - polymer exemption. Except Canada	Only Australia, Malaysia, New Zealand, Thailand & (China - for specific allnex units)	Electrical insulation paints.
RESYDROL® AX 250w/75EP	Primer stoving	0.5	75	17	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & UK	Yes, except Canada.	Only Indonesia, Malaysia, New Zealand, Taiwan & Thailand ( China OK for specific notification units)	Dipping paints. Combined with CYMEL® 303 LF - offers corrosion resistance.
RESYDROL® AY 466w/38WA	Topcoat, air drying	7	38	43	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & Turkey.	Yes, except Canada.	Yes, except Australia, Pihlippines, Indonesia & Vietnam	Humidity resistance. High gloss. Fast drying.
RESYDROL® AY 586w/45WA	Wood external stain	7.5	45	61.5	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & Turkey.	Yes	Yes, except Philippines & Vietnam	Adhesion and penetration on wood, open time and durability.
RESYDROL® AY 6150w/45WA	Primer, topcoat, monocoat, air drying	0.8	45	35	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain	Yes with Polymer exemption in the US.	Yes, except Korea & Philippines. Australia needs specific information requirement	Humidity and corrosion resistance. High gloss. Easy application.
RESYDROL® AY 6705w/44WA	Wood external stain	0.6	44	40.5	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & Turkey	Yes	Yes. Philippines- it's OK for specific notification units.	Durability, fast drying, suitable for vertical and horizontal wood applications.
RESYDROL® AZ 6191w/42WA	Metal , wood internal & external trim	1.4	42	54.5	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & Turkey	Yes - polymer exemption. Except Canada	Only Indonesia, Malaysia, New Zealand, Thailand & Australia -contains a PLC	Suitable for wood and metal applications, gloss, flow, leveling and chemical resistance, durability.
RESYDROL® AZ 6710w/41WA	Wood external stain	0.7	41	33.7	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & UK	Yes with Polymer exemption in the US.	Yes. China yes for specific Allnex notification units. NO KOREA. Philippines & Taiwan no but ok for specific notification units	Durability, fast drying, suitable for all types of wood.
RESYDROL® AZ 6711w/40WA	Wood external stain	4	40	44.5	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain, Turkey, Switzerland & UK	No	Only Thailand, Malaysia & New Zealand	Very hard, quick drying grade for wood applications, mostly used as a blending resin.
RESYDROL® VAF 6111w/60WA	Interior wall paint	0.5	60	46	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain, Turkey & UK	Yes, except Canada.	Only Australia, Malaysia, New Zealand, Thailand & Vietnam	Blending partner for acrylic applications to improve adhesion and applicability with low yellowing.

Liquid resins

Product	Application	Viscosity at (23°C, Pa.s)	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
				Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
RESYDROL® VAL 5547w	Wood impregnation	1.3	98	71.5	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & Turkey	Yes	Yes, except Korea & Philippines. China yes for specific Allnex notification units	Penetration on wood, low grain rising and oil feeling application.
RESYDROL® VAY 6096w/39WA	Topcoat, air-drying	5	39	28.6	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain, Turkey & UK	Yes, except Canada.	Only Malaysia, New zealand & Thailand. Yes in Australia - contains a PLC	Humidity resistance. Fast drying.
RESYDROL® SF 8000w/50WA	Interior trim	0.7	50	7	-	-	Yes for approved legal entities importing non-EU product - All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain, Turkey & UK	Yes, except Canada.	Only Malaysia, New Zealand, Japan. Australia specific information requirement.	Drier free, good brushability, nice body, flow and leveling, ADH and surfactant free.
RESYDROL® SF 8010w/50WA	Wood external stain	0.5	50	7	-	-	Yes for approved legal entities importing non-EU product - All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain, Turkey & UK	Yes, except Canada.	Yes, except Korea, Philippines, Taiwan, Thailand. Australia specific information requirement. China yes for specific Allnex notification units	Fast drying, drier free, excellent durability, no peeling, flaking or grain rising, ADH and surfactant free.
RESYDROL® SF 8011w/50WA	Wood external stain	0.5	50	6.2	-	-	Yes for approved legal entities importing non-EU product - All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain, Turkey & UK	Yes, except Canada.	Yes, except Korea, Philippines, Taiwan, Thailand, China & Vietnam. Australia specific information requirement	Harder version of RESYDROL® SF 8010.
BECKOPOX™ EP 2384w/57WA	Monocoat (DTM) or primer air drying	0.8	57	6	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & Turkey	Yes	Yes, except Philippines	Hardness development, early water resistance.
DAOTAN® TW 6442/42WA	Deco topcoats, Industrial & DTM application	0.5 - 2	40.5 - 43.5	27	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain, Turkey & UK	Yes with Polymer exemption in the US.	Only Taiwan, New zealand, Malaysia. China yes for specific Allnex notification units. Yes in Australia - contains a PLC	High gloss, hardness. NEP free.
VIALKYD™ SAL 766	Deco & printing application	0.2	100	72	-	-	Yes for approved legal entities importing non-EU product - All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain, Turkey & UK	Yes	Yes, except Indonesia & Vietnam	Good pigment dispersion properties, therefore it is used for offset printing and letterpress printing.
VIALKYD™ TO 608/55SD60	Flooring, Industrial applications	0.2 - 0.5	53 - 57	35	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain, Turkey, UK & Switzerland	Yes	Yes, except Vietnam, New Zealand, Japan & Indonesia	Rapid drying and high resistance to chemicals and water
MACRYNAL® SM 565/70BAC	Vehicle Refinish clearcoats, topcoats	2 - 4.2	68 -72	8.6	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain & UK	Yes	Yes, except Indonesia, Japan, Philippines, Vietnam & Australia	Cross-linkable with polyisocyanates for the production of high solids lacquers. Outstanding mechanical properties, excellent chemical resistance and outdoor stability.



Radcure

Product	Application	Viscosity Pa.s)	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
				Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
EBECRYL® IBOA	Graphics/ Industrial Coatings	0.012 at 25°C	100	76.8	-	-	Yes for approved legal entities importing non-EU product - Allnex Blegium, All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain	Yes	Yes	High purity, low colour monofunctional diluent monomer. Good viscosity reduction and low shrinkage properties make this product useful in a variety of overprint varnishes, inks, and coatings.
OTA 480	All	0.09 at 25°C	100	13.5	-	-	Yes for approved legal entities importing non-EU product - Allnex Blegium, All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain	Yes	Yes	It exhibits low viscosity and good flexibility for a triacrylate and its high functionality contributes to good reactivity and hardness.
EBECRYL® 3700/18 OT	Graphics/ Industrial Coatings	85 at 25°C	82 in OTA 480	18	-	-	Yes for approved legal entities importing non-EU product - Allnex Blegium, All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain, Switzerland & UK	Yes	Yes, except Indonesia, New Zealand & Vietnam	This resin is characterized by its low odor, light color, low irritancy and very fast cure response.
EBECRYL® 3702	Litho Inks	2.2 at 25°C	100	11	-	-	Yes for approved legal entities importing non-EU product - Allnex Blegium, All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain, Turkey, Switzerland & UK	Yes, except Canada.	Yes, except Indonesia & Philippines	Fatty acid modified epoxy acrylate recommended for ink formulations, good litho behavior and very good pigment wetting.
EBECRYL® 5848	Litho Inks	2 at 25°C	100	84.2	-	-	Yes for approved legal entities importing non-EU product - Allnex Blegium. Yes for approved legal entities for product manufactured in EU. Except Bahrain	Yes	Yes, except New Zealand & Korea. Indonesia OK if appropriate permit/ registration is obtained ( contact PSRA)	Epoxidized Soya Oil Acrylate. BPA-free product. Good for Hot foil stamping.
EBECRYL® 6000	Graphics/ Industrial Coatings	3.25 at 60°C	100	21.9	-	-	No, except Switzerland.	Yes	Yes, except Vietnam & Indonesia	Exhibit high reactivity, surface hardness and gloss and the excellent solvent resistance typical of an epoxy resin.
EBECRYL® 450	Flexo inks	7.5 at 25°C	100	37.1	-	-	Yes for approved legal entities importing non-EU product - All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain	Yes	Yes, except Indonesia. Korea & Philippines OK for specific notification units	Polyester acrylate which gives excellent pigment wetting and high reactivity.
EBECRYL® 452	Flexo inks	0.6 at 25°C	100	36	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain	Yes, except Canada.	Yes, except Australia, Korea, Philippines, Taiwan & Vietnam. China yes for specific Allnex notification units	Polyester acrylate with excellent pigment wetting; enables the production of high concentrated pastes, increasing productivity and process flexibility.
EBECRYL® 657	Offset inks	3.5 at 60°C	100	53.8	-	-	Yes for product manufactured in EU for approved Legal Entities. Except Bahrain	Yes	Yes. Japan NO but ok for specific notification units.	Polyester acrylate with good pigment wetting, ink water balance and misting properties.

Radcure

Product	Application	Viscosity Pa.s	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
				Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
EBECRYL® 820	Flexo inks for indirect food. Contact Packaging	0.55 at 25°C	100	29	-	-	Yes for product manufactured in EU for approved Legal Entities. Switzerland, Uk and Turkey yes. Except Bahrain	Yes, except Canada.	Only Japan, Malaysia, Thailand & Vietnam	Low migration product; exceptional pigment wetting allows preparation of highly concentrated pigment pastes.
EBECRYL® 846	High speed offset inks	45 at 25°C	100	26	-	-	Yes for approved legal entities importing non-EU product - All Allnex LEOs for products from Allnex USA. Yes for approved legal entities for product manufactured in EU. Except Bahrain & UK	Yes, except Canada.	Yes, except Indonesia, Korea & Philippines	Polyester acrylate which gives high reactivity and low misting.
EBECRYL® 870	Offset inks	42.5 at 25°C	100	31	-	-	Yes for product manufactured in EU for approved Legal Entities. Switzerland, Uk and Turkey yes. Except Bahrain	Yes	Yes, except Indonesia & Philippines is OK for specific notification units	Polyester acrylate which gives excellent pigment wetting and high reactivity. Good litho behavior.
EBECRYL® 5849	Litho inks	8.5 at 25°C	100	47	-	-	Yes for product manufactured in EU for approved Legal Entities. Switzerland yes. Except Bahrain, Turkey & UK	Yes, except Canada.	Only Malaysia, Indonesia, Thailand & Vietnam. Japan NO BUT OK for specific notification units. China NO but might be suitable for polymer exemption ( contact PSRA)	High reactivity and high Tg: can be used for BPA-free development in Graphics and Wood Applications.
EBECRYL® LEO 10801	Inks for indirect food contact packaging	49 at 25°C	100	31	-	-	Yes for product manufactured in EU for approved Legal Entities. Switzerland , Turkey yes. Except Bahrain & UK	Yes	Yes, except Vietnam, Philippines & Indonesia	Hexfunctional polyester acrylate oligomer that provides high reactivity and the proper ink-water balance necessary for good lithographic printing.
EBECRYL® R1872	Industrial Coatings	6.5 at 25°C	100	11	-	22	Yes for product manufactured in EU for approved Legal Entities. Switzerland yes. Except Bahrain, Turkey & UK	Yes, except Canada.	Only Vietnam, Thailand, Malaysia & Indonesia	Good adhesion, balanced flexibility/reactivity, good abrasion/grit feeder resistance. Recommended for use in sealers and topcoats in wooden flooring and furniture applications.
EBECRYL® 767	Industrial Coatings	8.5 at 60°C	70 in reactive diluent	25	-	-	Yes for product manufactured in EU for approved Legal Entities. Switzerland& UK yes. Except Bahrain & Turkey	Yes, except Canada.	Yes, except Indonesia	Excellent primer for difficult substrates.
RAYLOK® 1622	Industrial Cotaings	0.52 at 25°C	100	27	-	-	Yes for product manufactured in EU for approved Legal Entities.Yes Switzerland. Except Bahrain, Turkey & UK	Yes, except Canada.	Yes, except Korea, Philippines, Indonesia & Australia	Low viscosity natural oil modified oligomeracrylate. It gives a transparent oil-like natural and warm aspect.
EBECRYL® 242N	Industrial Coatings	21 at 25°C	100 (containing reactive diluent)	25	-	-	Yes for product manufactured in EU for approved Legal Entities.Yes Switzerland & Turkey Except Bahrain & UK	Yes	Yes, except New Zealand, Philippines	Flexible coating for metal substrates, good adhesion and excellent flexibility. Tin-free.
EBECRYL® 4491	Industrial Coatings	9 at 23°C	80 in IBOMA	17	-	-	Yes for product manufactured in EU for approved Legal Entities.Yes Switzerland. Except Bahrain, Turkey & UK	Yes US. Canada no but ok for allnex only to import within quantity limits. Contact PSRA for details	Yes, except Indonesia, New Zealand & Philippines. China yes for specific Allnex notification units	Elastomeric grade, extremely flexible, elongation at break over 250%. For temporary protective coatings, improves elasticity in combination with hard resins.



Radcure

Product	Application	Viscosity Pa.s)	Non Volatile (%)	Better Carbon Content			Registration Information			Product Description
				Bio-based content	Bio-Mass Balance Content	Recycled Content	Europe/EMEA	America	APAC	
EBECRYL® 4683	Industrial Coatings	5 at 23°C	65 in IBOA	24	-	-	Yes for product manufactured in EU for approved Legal Entities.Yes Switzerland. Except Bahrain, Turkey & UK	Yes US. Canada no but ok for allnex only to import within quantity limits. Contact PSRA for details	Only China( for specific Allnex notification units), Japan, Malaysia, Taiwan & Thailand	Extremely tough. Low shrinkage during curing, good adhesion to plastic and metal, outdoor resistance.
EBECRYL® 4690	Industrial Coatings	29 at 23°C	72 in HDDA	30.6	-	-	Yes for product manufactured in EU for approved Legal Entities.Yes Switzerland. Except Bahrain, Turkey & UK	No	Only Indonesia, Malaysia, Thailand & Vietnam	Excellent weathering resistance for exterior applications. Multi-substrate adhesion, low yellowing and high reactivity. Improved chemical and abrasion resistance.
UCECOAT® 7998	Industrial Coatings	<0.2 at 25°C	35 in water	43.6	-	-	Yes for product manufactured in EU for approved Legal Entities.Yes Switzerland. Except Bahrain, Turkey & UK	No	Only Indonesia, Malaysia & Thailand. China yes for specific Allnex notification units	UVPUD for performance-in-use in clear and white coating applications. The product combines low MFFT and immediate hardness after cure.
UCECOAT® 7999	Industrial Coatings	<0.2 at 25°C	34 in water	22.1	-	-	Yes for product manufactured in EU for approved Legal Entities.Yes Switzerland. Except Bahrain, Turkey & UK	No	Only Malaysia, Thailand & Vietnam. China yes for specific Allnex notification units.	High-performance tin-free and low-MFFT aqueous binder for clear and white pigmented coating on wood. The cured coating develops an immediate optimum hardness not requiring oxidative drying.



**Declarations**

We will provide an allnex declaration of the bio-based content or sustainability properties of our products based on our supplier’s statements and our internal auditing.

We can provide the amount of contained bio-based carbon of our products from which the corresponding CO<sub>2</sub> uptake during crop growth can be calculated. This value is relevant when calculating the full lifecycle carbon footprint.

**Verification**

We will run C14 control measurement at a third party institute for materials supplied with a C14 certification. For materials supplied with a biomass certificate, we fully rely on our vendor certifications.

**Glossary**

Bio-based carbon content is the ratio of bio-based carbon / total carbon. It can be measured according to ASTM D6866, EN 16640 or ISO 16620-2.

Contained carbon or embedded carbon is the same as the total carbon in the product. The bio-based part is counted as neutral in end-of-life carbon footprint calculations.

Atmospheric CO<sub>2</sub> uptake, in the context of bio-based materials, is the amount of CO<sub>2</sub> that has been extracted from the atmosphere by biological processes and is contained in the biomass. It is stoichiometrically calculated from the amount of bio-based carbon contained in a material.

Carbon footprint of a product is the CO<sub>2</sub> equivalent of GHG emissions created throughout the entire life cycle of a product.

**Determination of the renewable content of a resin**

The content of an organic material is defined by the weight percent of bio carbon on the total weight of organic carbon in the material/product (ASTM D6866).

% Bio-based (organic carbon )\* 100

In general, the renewable content can be expressed using the following formula:

$$\text{\% Bio-based Content} = \frac{\text{Amount of Bio-based Carbon}}{\text{Amount of Bio-based Carbon} + \text{Amount of Petroleum Based Carbon}} \times 100$$

**Do you have any questions?**

If you’d like to know more about better carbon solutions or explore how we’re future-proofing our portfolio with innovative sustainable solutions, don’t hesitate to connect with our Sustainability Team.

business@allnex.com

Find out more: [ecowise-choice.com](https://ecowise-choice.com)  
[www.allnex.com](https://www.allnex.com)

