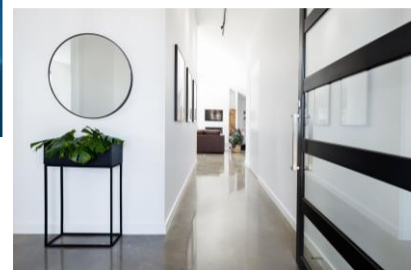


ALLNEX'S SUSTAINABLE PRODUCT PORTFOLIO



ECOWISE™ CHOICE FOR BUILDINGS AND DECORATIVE APPLICATIONS



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The Coating Resins Company

OUR SPEAKERS AND EXPERT PANEL



Davy De Clercq
Head of Sustainability



Robert Watson
Global Marketing Director, Powder Resins



Robertino Chinellato
Global R&D Director, Powder Resins



Alex Jiang
Global Marketing Director, Crosslinkers



Cedric D'Hulst
Global Marketing Manager, RADCURE



Pascale Teasdale
Development Manager EMEA, Liquid Resins & Additives



Andreas Hermes
Application Manager EMEA, Crosslinkers



About our company

Sustainability at allnex

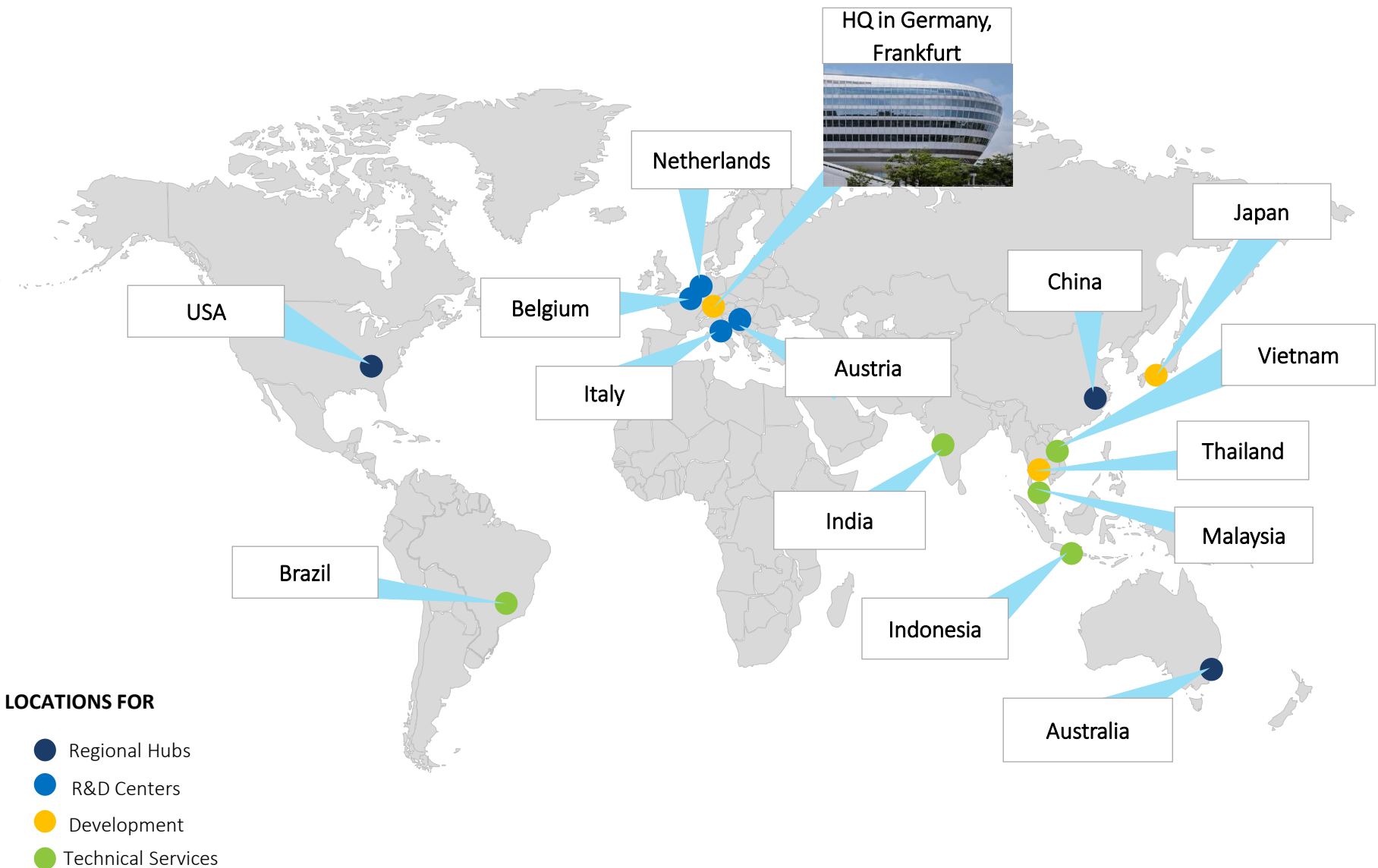
Sustainability Portfolio Management

Sustainability needs of the Buildings and Decorative markets

Our sustainable product offering

Q&A

ALLNEX – THE GLOBAL LEADER IN INDUSTRIAL COATING RESINS



23
R&D centers across the
Globe (incl.JVs)

32
Production
sites

>400
Scientists &
Technicians

2.2
€Billion sales

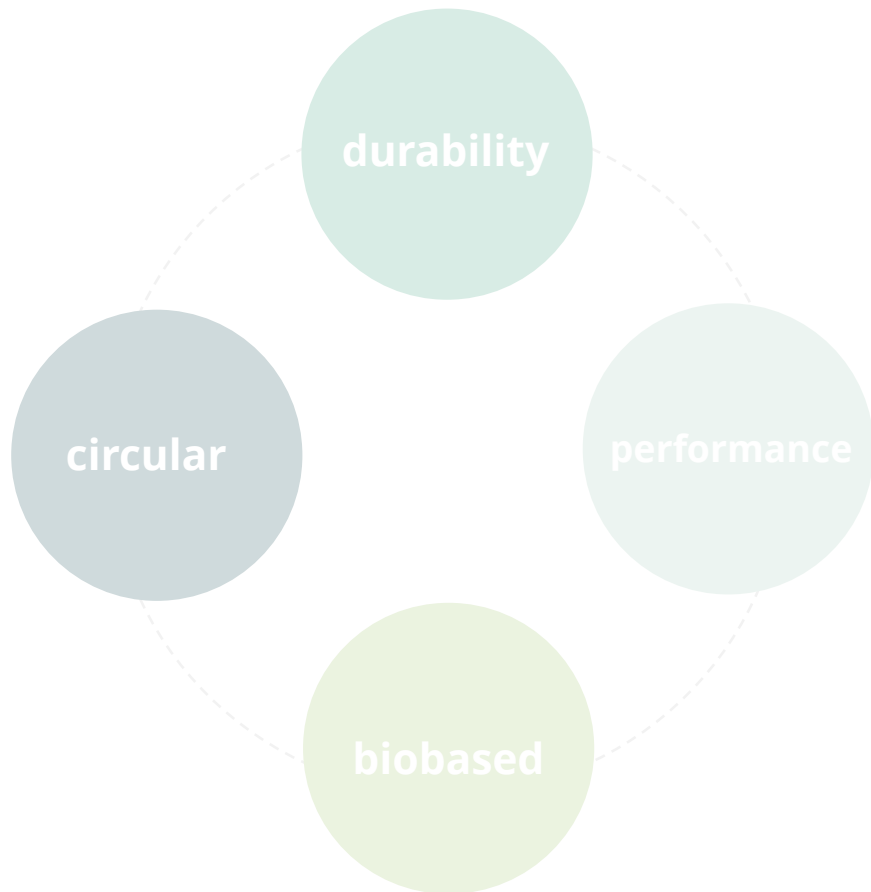
-  Technical service close to customers
-  Strong analytical capabilities
-  IP department



New high-tech R&D
center in Austria
(Werndorf)
inauguration Q3 2022

SUSTAINABILITY IS RISING IN IMPORTANCE

The role of coatings for a sustainable future



What sustainability means for your business

operational improvement
lower carbon footprint
new opportunities
business critical
circular economy
strategic importance
innovation
commitment
next generation
new products
green coatings

- Be ECOWISE™ reflects our mindset in acting across various areas of sustainability to develop new products and services and to improve our internal operations
- It underlines our dedication and ambition to pursuing a greener and more sustainable future together with our customers



be ECOWISE™

PURPOSE AND FOCUS – AN ESG PROGRAM ALIGNED WITH UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

AN ESG PROGRAM BUILT AROUND THE FULL SUITE OF 17 UN SDG AND SUPPORTED BY DEDICATED ALLNEX EMPLOYEES



A focus on **SDG #7, #12, and #13** to make maximum impact based on materiality and stakeholder analysis

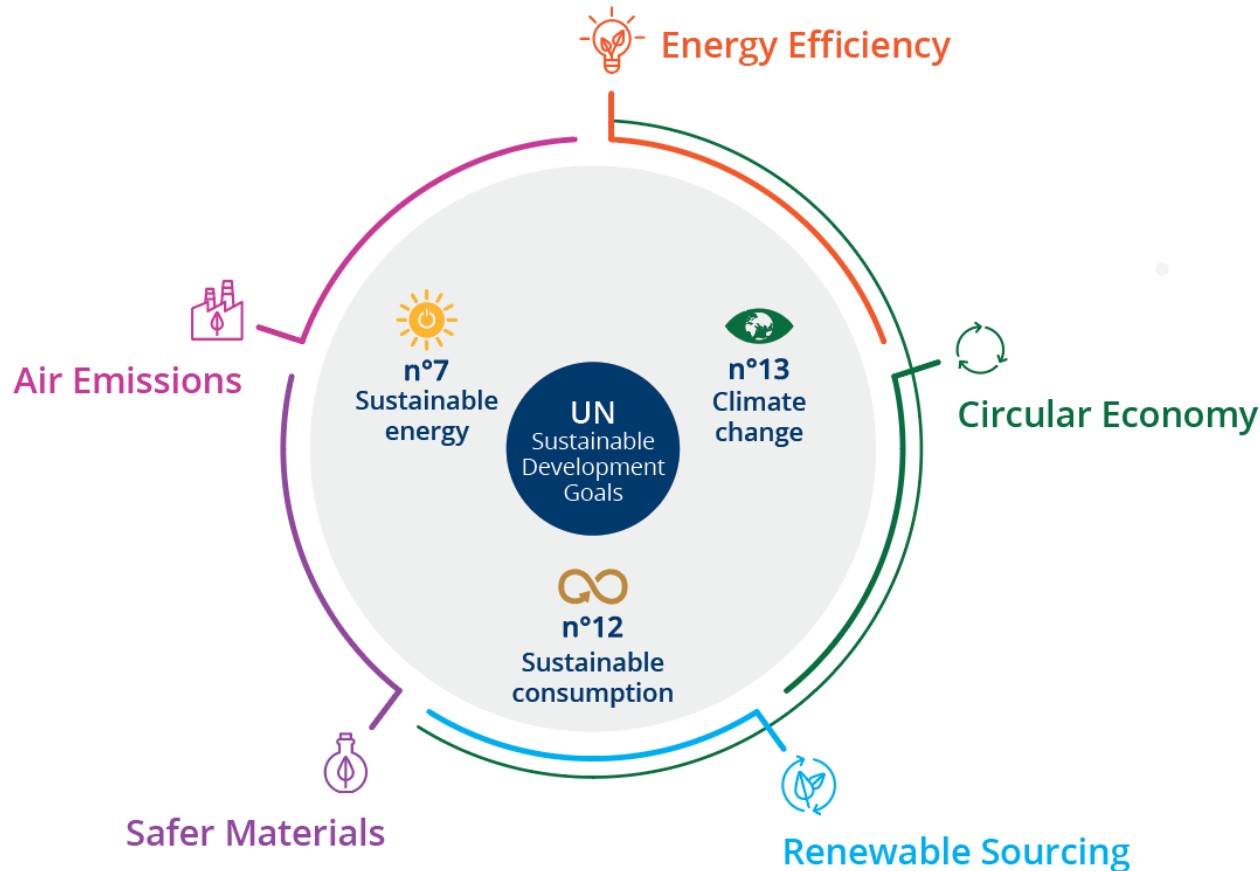
Focusing in R&D on circularity with new products with increasing shares of renewables

Achieve world-class efficiency levels on energy and material use in our plants

Continuously revisit our product portfolio and benchmark against sustainability drivers to lower the total Footprint

MATERIALITY AND IMPACT – THE FIVE PILLARS OF OUR SUSTAINABILITY PROGRAM

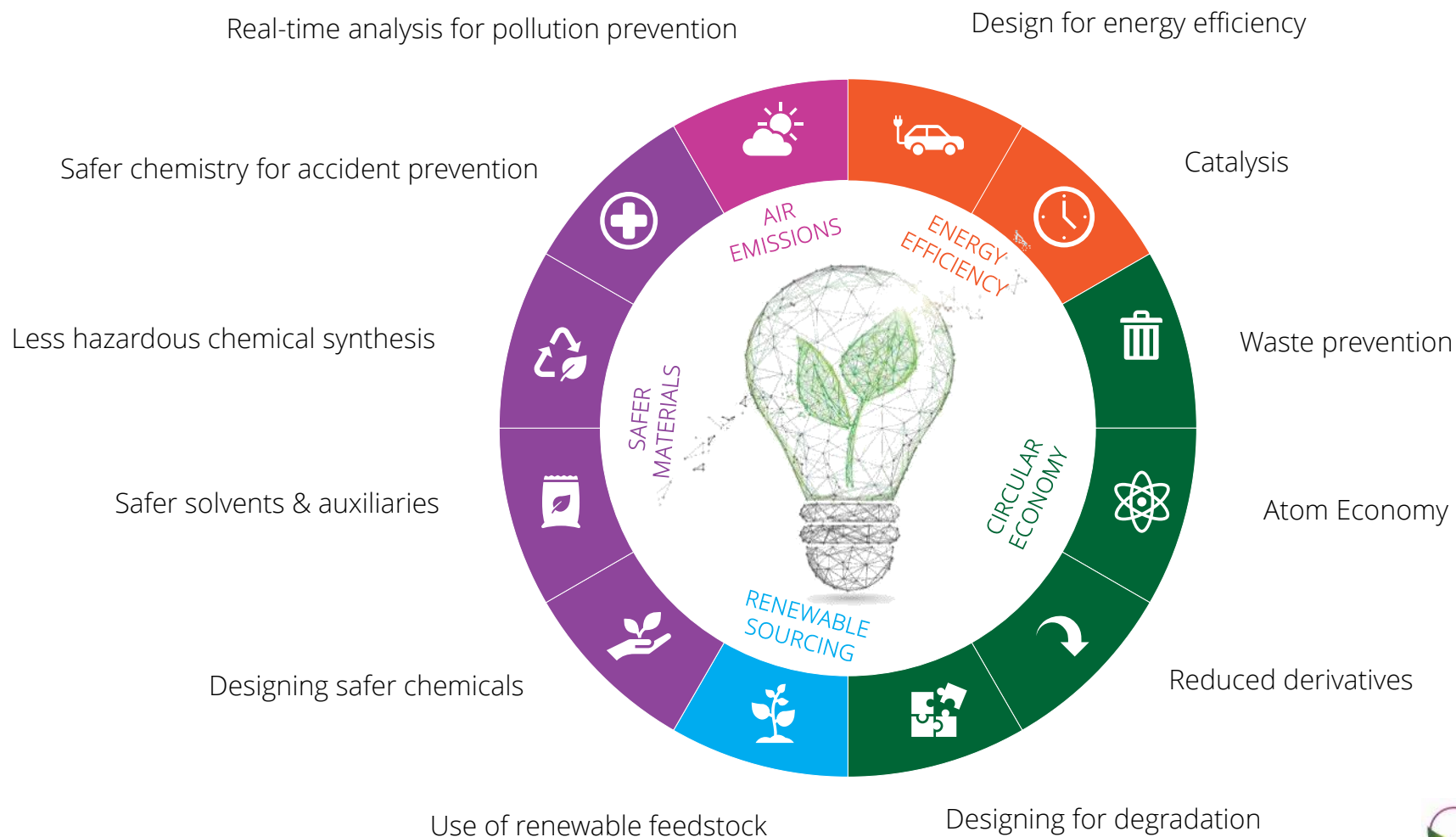
OUR FOCUS SDG HAVE BEEN TRANSLATED INTO 5 HIGH PRIORITY AREAS, KNOWN AS ALLNEX FIVE SUSTAINABILITY PILLARS



These pillars are the basis for an ambitious Sustainability Program, going from product development, raw material sourcing, manufacturing to supply chain and service to market and customers.

Our Sustainability Pillars are a testimony of how Circularity is at the core of allnex product and market development efforts, including through energy efficiency and renewable sourcing.

THE ALLNEX SUSTAINABILITY PILLARS ALIGNED WITH THE 12 GREEN PRINCIPLES



SUSTAINABILITY PILLARS - POLL

Which pillar is most relevant for you?



Air Emissions



Circular Economy



Energy Efficiency



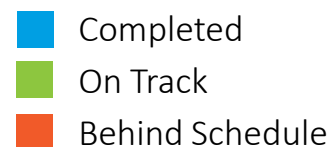
Renewable Sourcing



Safer Materials

OUR SUSTAINABILITY TARGETS

	Target Year	Status
Sustainable Operations      		
Reduce non-renewable energy purchases by 15% in 5 years*	2023	
Develop a waste and water consumption tracking system	2023	
Produce over 40% of our production volume under ISO5001 certification	2023	
Sustainable Value Chain          		
Map sustainable sourcing options for renewable, recycled and lower carbon footprint materials	2023	
Dedicate 90% of corporate product development resources annually to projects with positive impacts on the environment	2023	
Implement sustainable product portfolio management practices	2023	



SUSTAINABLE PORTFOLIO MANAGEMENT



In 2019 we began to develop a more structured, robust Sustainable Portfolio Management (SPM) process.

Through the SPM we aim to categorize our products by analyzing their sustainable benefits and challenges, using a fact-based methodology.

“Sustainable Portfolio Management is the keystone of our Sustainability Program. It enables us to steer our product offering and innovation pipeline in line with the sustainability needs of the market and to support our customers, end-markets, and stakeholders”

– Benoit De Becker, VP Strategy & Innovation

ECOWISE™ CHOICE

ALLNEX SUSTAINABLE PRODUCT PORTFOLIO



the allnex attribute for all initiatives with a sustainability value



MEETING THE SUSTAINABILITY NEEDS OF THE BUILDINGS AND DECORATIVE MARKET



APPLICATION

- ✓ Architectural aluminium extrusions
- ✓ Decorative wood
- ✓ Broad walls
- ✓ Metal Facades
- ✓ Flooring
- ✓ Trim, Joinery

TECHNOLOGY

- ✓ Waterborne
- ✓ Powders
- ✓ Formaldehyde-free solutions

SUSTAINABLE BENEFITS

- ✓ Improved air quality
- ✓ Improved durability
- ✓ Improved energy efficiency
- ✓ Reduced paint consumption
- ✓ More circular, lower carbon footprint



SNAPSHOT OF THE CRITERIA FOR BUILDINGS AND DECORATIVE

Safer Materials



- ✓ Substances under CMR categories 1A,1B or respiratory sensitizer (1, 1A, 1B)
- ✓ Substances of very high concern (SVHC)
- ✓ Substances considered (very) persistent, (very) bio accumulative or toxic (PBT, vPvB)
- ✓ BPA free¹
- ✓ Free from ORGANOTIN compounds
- ✓ Biocides

Air Emissions



- ✓ Formulation with VOC <80g/l
- ✓ Formaldehyde free, including formaldehyde releasers
- ✓ APEO free²
- ✓ Ozone depleting substances

ECOWISE™ CHOICE

1. BPA : Bisphenol A
2. APEO: Alkylphenol (nonyl- and octyl-) alkylphenol ethoxylates or other alkylphenol derivatives

ECOWISE™ CHOICE PRODUCTS BY TECHNOLOGY

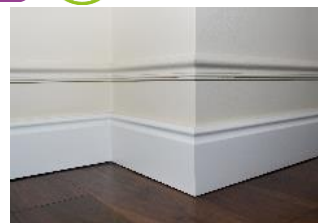
Waterborne acrylics



Broad walls



Decorative wood



Trim & Joinery



Flooring sealers

SETAQUA®
ECO 4008
ECO 4021
BB 8800

SETAQUA
6756
6716
6721

SETAQUA
6799
ECO 6778

SETAQUA
6754
PAVE 700

UCECRYL®
B 3034

Powder resins



Architectural extrusion



Exterior general metal

CRYLCOAT®
2666-3
4420-0
4641-0
4655-2
4659-0

CRYLCOAT
2678-3
2696-6
4642-3

Formaldehyde free crosslinkers



Metal facades

CYMEL®
NF 3030

CRYLCOAT® 2666-3

ECOWISE™ CHOICE

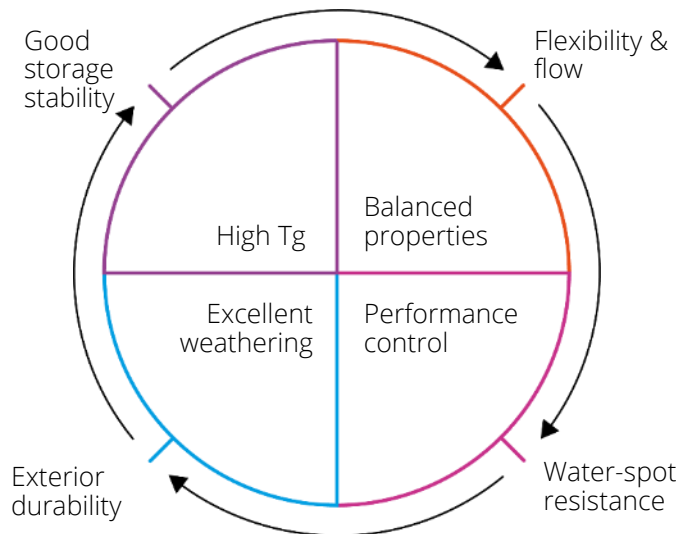
CRYLCOAT® 2666-3 is a high performance tribo active carboxyl functional polyester resin for use with 5% Primid® in outdoor powder coatings. Coatings made with CRYLCOAT 2666-3 exhibit good flow and mechanical properties, excellent outdoor durability, good overbake resistance, gas oven resistance and water-spot resistance.

Applications

Architectural aluminium extrusions.

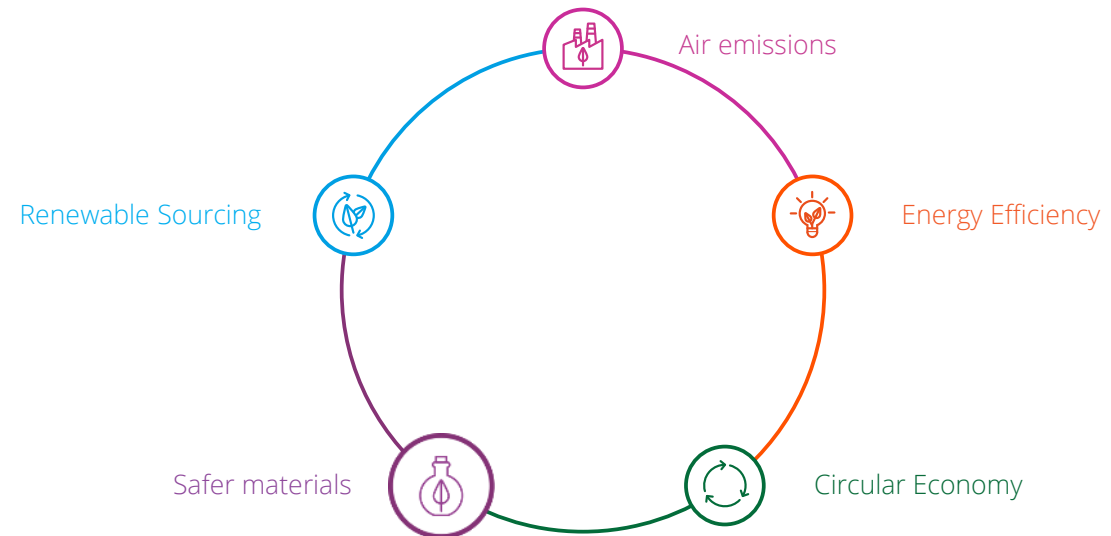


Key Performance Proposition



Key Sustainability Proposition

Safer materials; Energy efficiency



UNSDG no 12 : sustainable consumption




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'Sustainability' - What does it mean for you and your business?

For allnex, it is a mind-set, a commitment, a strategy. ECOWISE CHOICE for buildings and decorative is the next phase of allnex's continued commitment to creating a premium portfolio of coating resins which meet rigorous industry requirements for an ecologically responsible coatings value chain.

Be ECOWISE with your sustainability strategy.

– Rob Watson



POLL ANSWERS ON IMPORTANT PILLARS



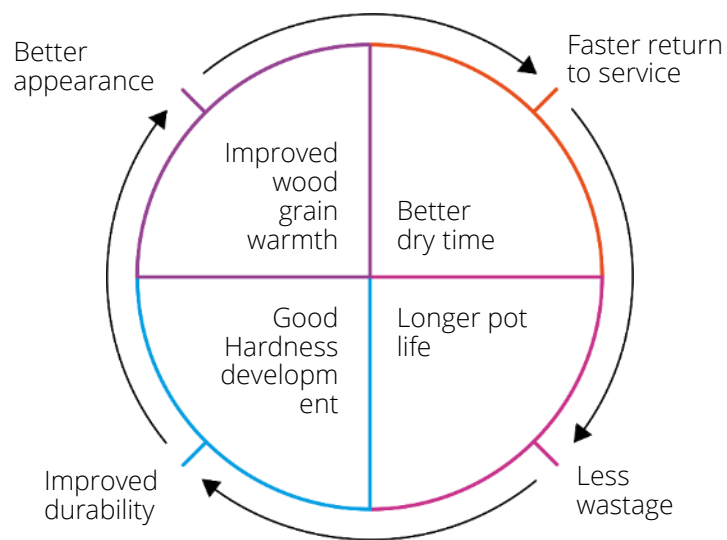
CYMEL® NF 3030

Formaldehyde-free crosslinking agent supplied in water. It was designed primarily for use in 2 component, ambient or forced cure, water-borne conversion varnishes for industrial wood when formulated with VIACRYL® SC 6834w/42WA. Resulting formulas exhibit superior catalyzed pot life relative to isocyanate-based conversion varnishes. The resulting coatings have excellent appearance, early hardness, resistance properties, and hot/cold cycle flexibility.

Applications

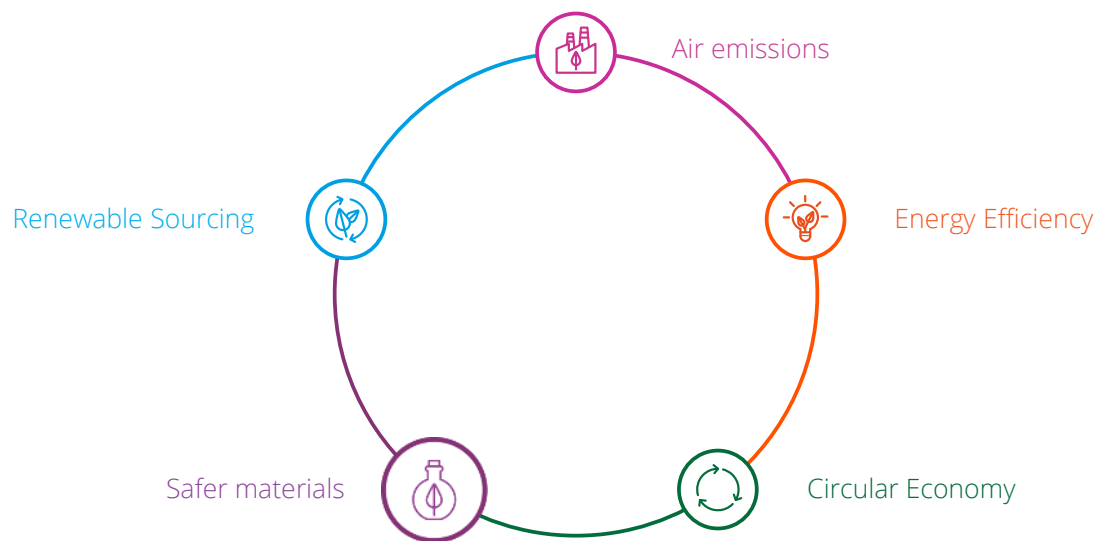
Industrial Wood Coatings, Encapsulation.

Key Performance Proposition



Key Sustainability Proposition

No VOC's, formaldehyde free



UNSDG 12: Responsible consumption and production



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SETAQUA® 6756

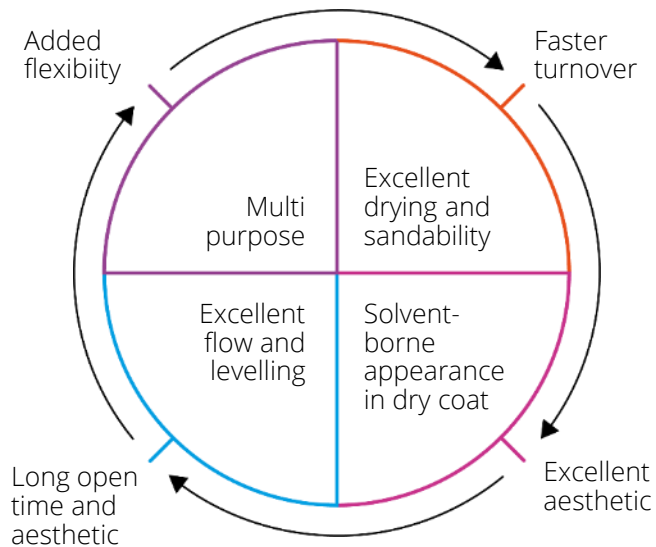
A self-cross-linking surfactant-free acrylic dispersion that offers excellent hardness, fast drying and good sandability and exceptional chemical resistance. Due to its small particle size, varnishes based on SETAQUA® 6756 have good in-can clarity and a solvent-borne like appearance of the dry coating.

Applications

Interior applications, primer and topcoat, furniture and trim paints.

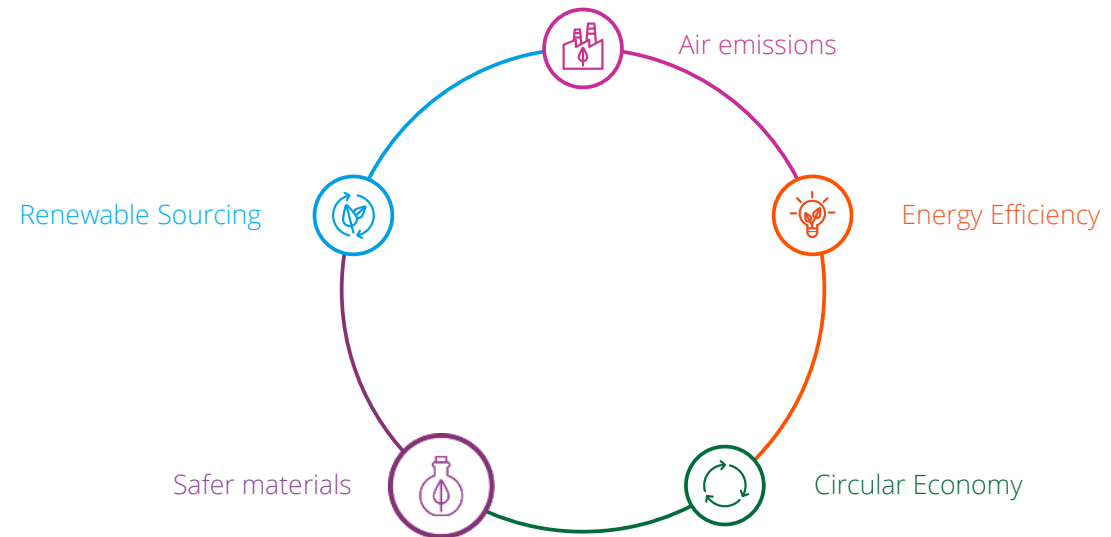


Key Performance Proposition



Key Sustainability Proposition

Safer raw materials



UNSDG no 12 : Responsible consumption and production



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SETAQUA® 6716

ECOWISE™ CHOICE

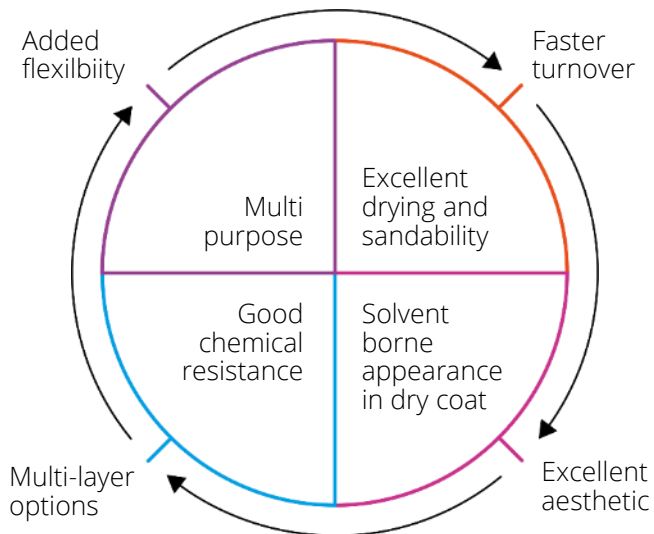
SETAQUA® 6716 A self-cross-linking surfactant-free acrylic dispersion that offers excellent hardness, fast drying and good sandability and exceptional chemical resistance. Due to its small particle size, varnishes based on SETAQUA®6716 have good in-can clarity and a solvent-borne like appearance of the dry coating.

Applications

SETAQUA 6716 is a benchmark for clear varnishes for DIY and/or contractor application in situ for wooden floors, door, paneling and furniture.

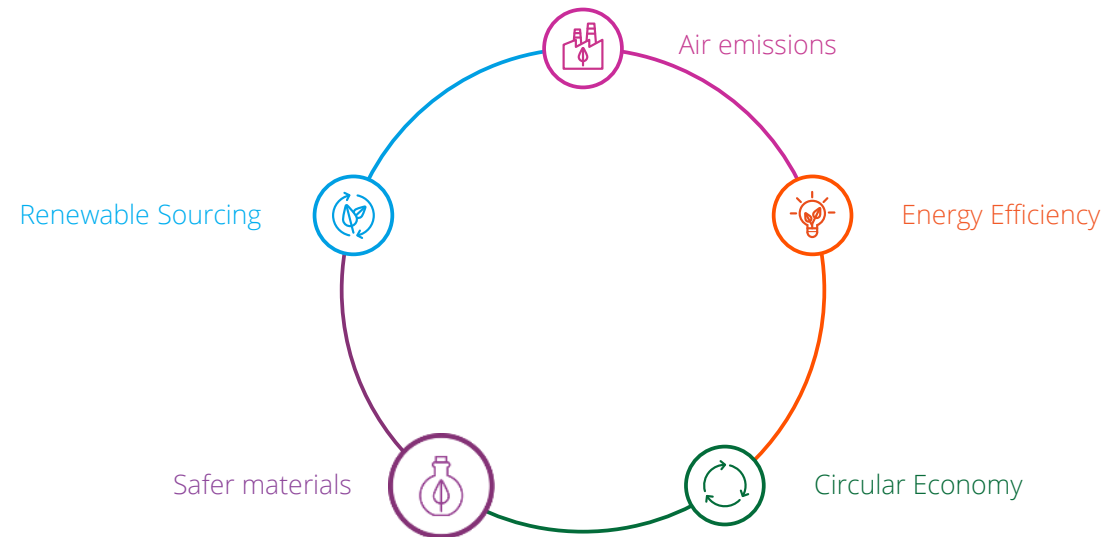


Key Performance Proposition



Key Sustainability Proposition

Safer raw materials



UNSDG no 12 : Responsible consumption and production



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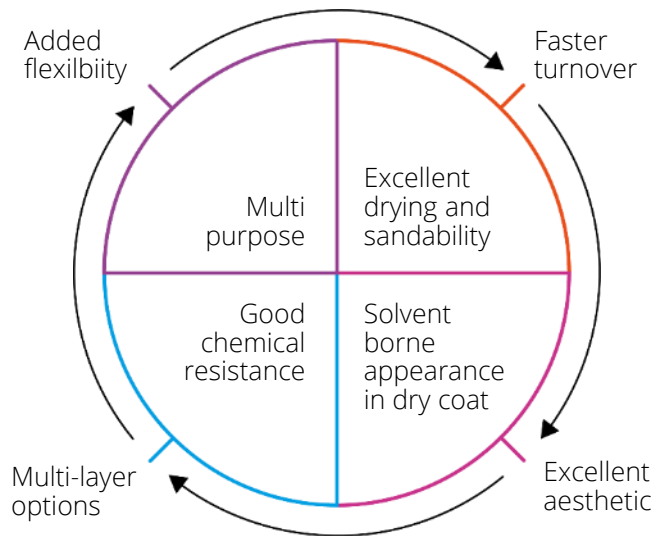


SETAQUA® 6721 is a self-cross-linking surfactant-free acrylic dispersion designed for premium industrial wood applications including children's toys and furniture where ability to formulate coatings is required in accord with AfPS: GS 2019:01 PAK Category 1, Greenguard Gold and French VOC Emission Class A+ Label as examples.

Applications

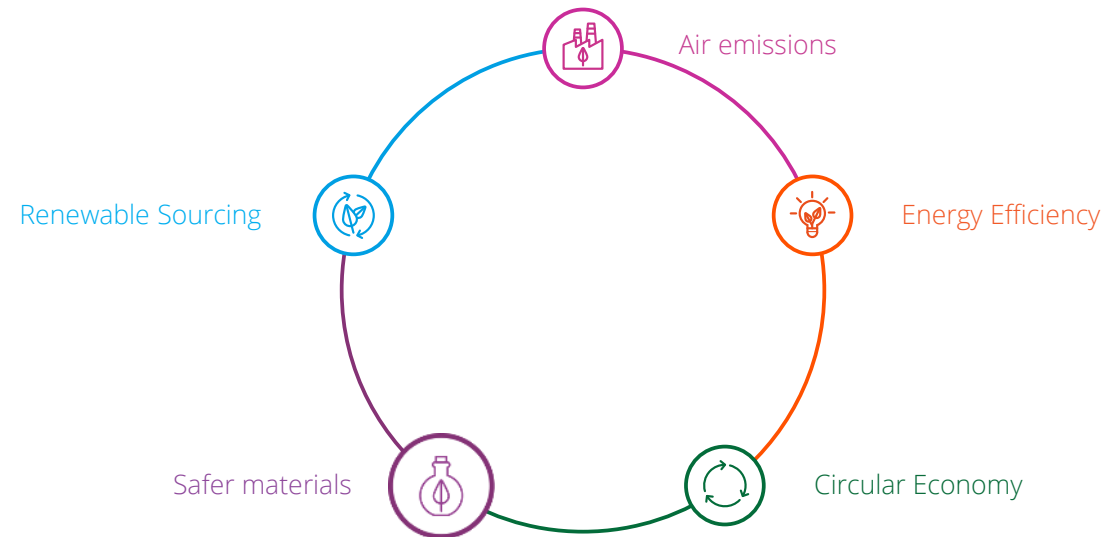
Interior, pigmented and clear wood and decorative coatings. Especially suitable for children furniture and top paints.

Key Performance Proposition



Key Sustainability Proposition

Safer raw materials, Polycyclic aromatic hydrocarbon (PAH) free



UNSDG no 12 : Responsible consumption and production



SETAQUA® 6754

ECOWISE™ CHOICE

SETAQUA® 6754

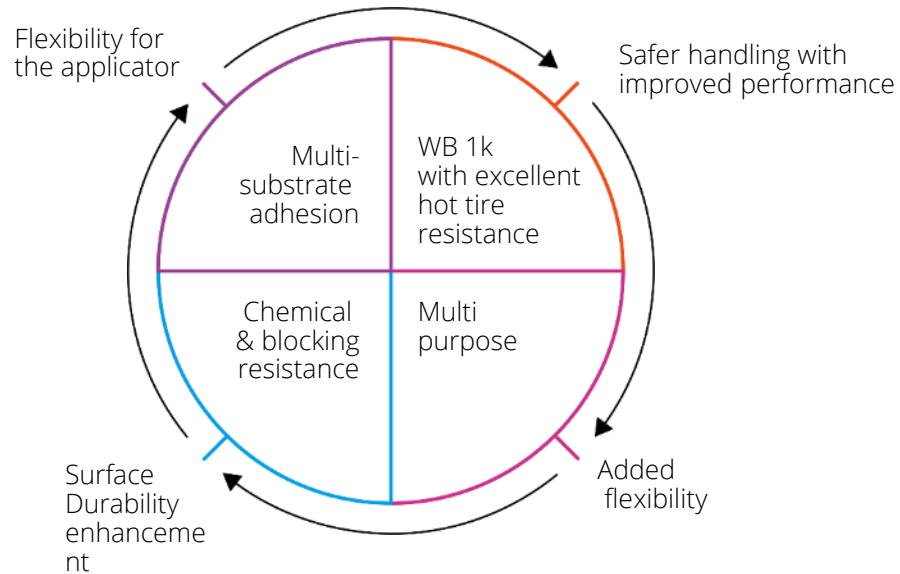
A very hard self-crosslinking acrylic copolymer dispersion for pigmented or clear coatings with good hardness, gloss, chemical and blocking resistance, hot tire resistance. Offers good adhesion on various substrates.

Applications

Concrete flooring, plastic coatings, decorative paper/foil, decorative coatings for multi-substrate adhesion.

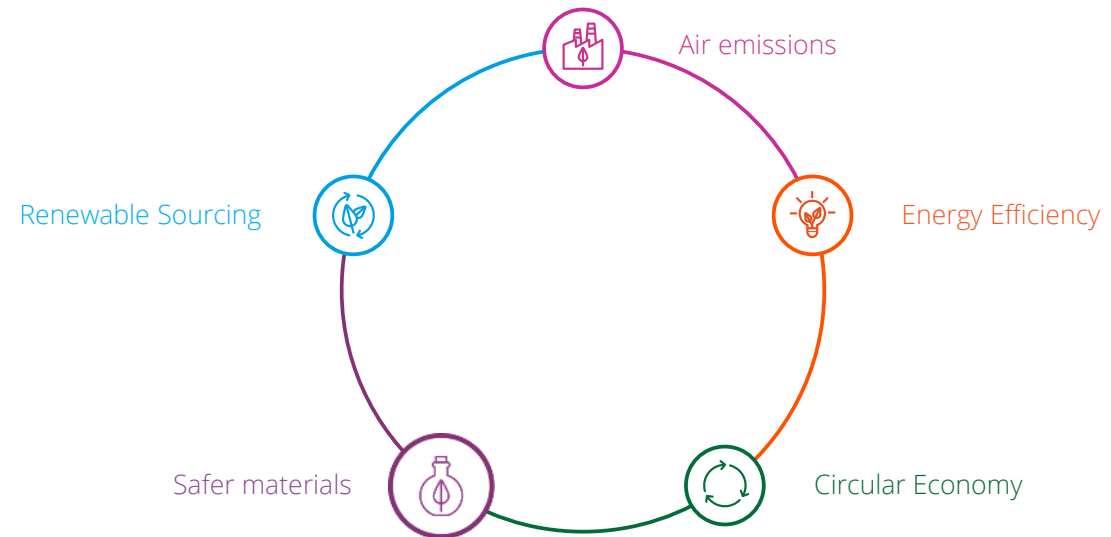


Key Performance Proposition



Key Sustainability Proposition

Safer raw materials



UNSDG no 12 : Responsible consumption and production



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SETAQUA® 6799

ECOWISE™ CHOICE

SETAQUA® 6799

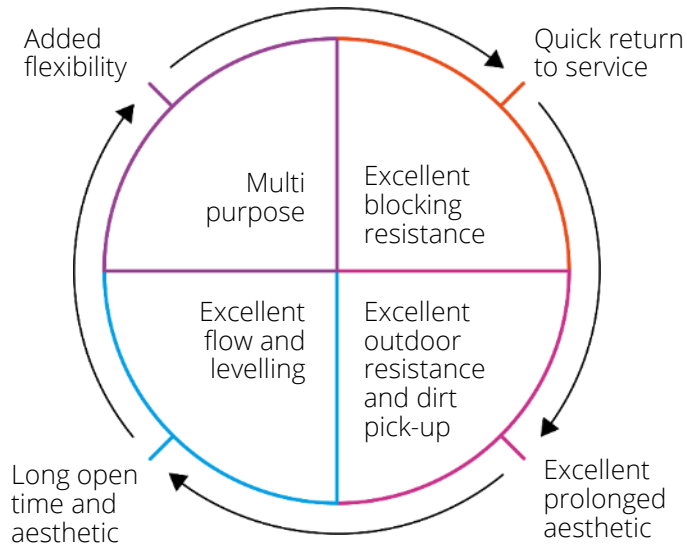
A self-crosslinking acrylic polymer dispersion with excellent blocking resistance when applied in thick films, good transparency and non-yellowing properties, good outdoor durability and dirt pickup resistance, long open time and low VOC formulations possible.

Applications

Interior & exterior applications for joinery and trim paints.

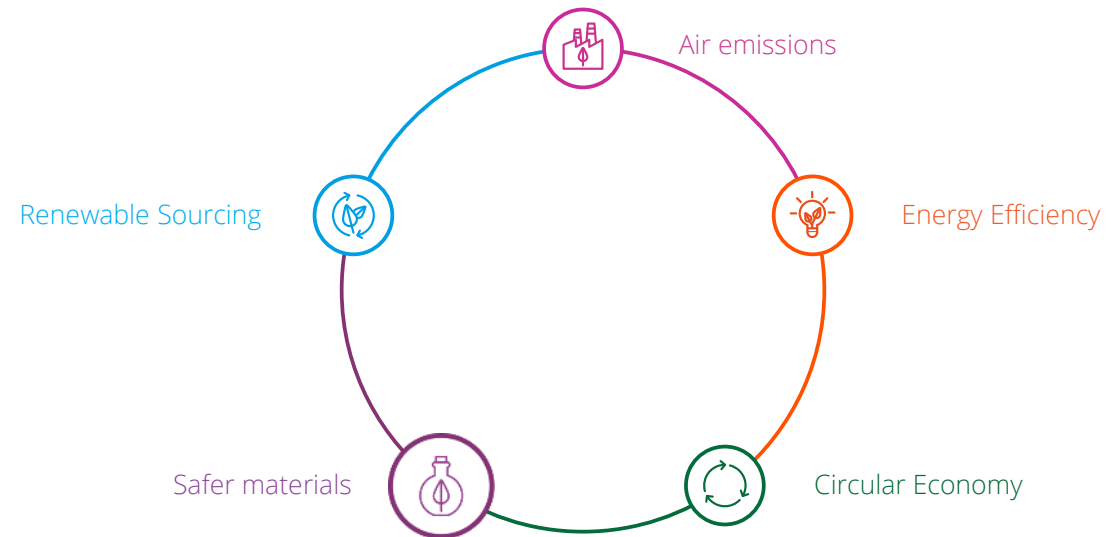


Key Performance Proposition



Key Sustainability Proposition

Safer raw materials



UNSDG no 12 : Responsible consumption and production



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SETAQUA® ECO 4008

ECOWISE™ CHOICE

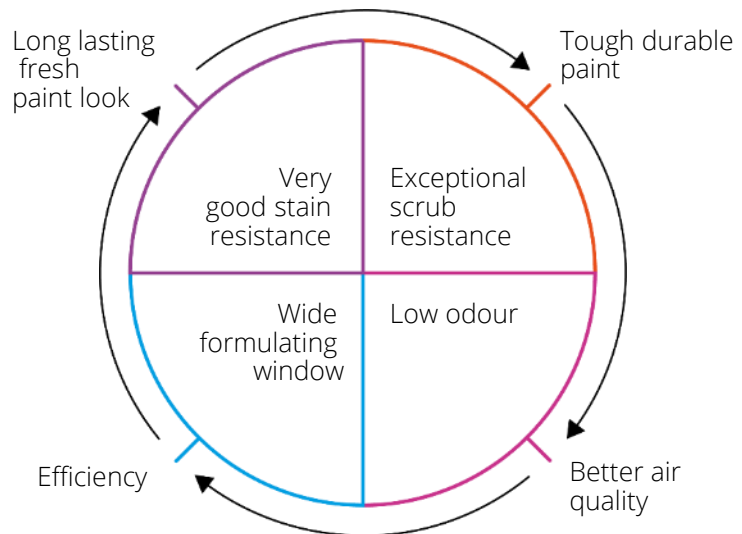
SETAQUA® ECO 4008 is a fine particle size, APEO free styrene acrylic emulsion with exceptional scrub and stain resistance properties

Applications

SETAQUA ECO 4008 was specifically developed to provide the formulator a highly washable, scrub resistant premium interior broad wall paint with low odour.

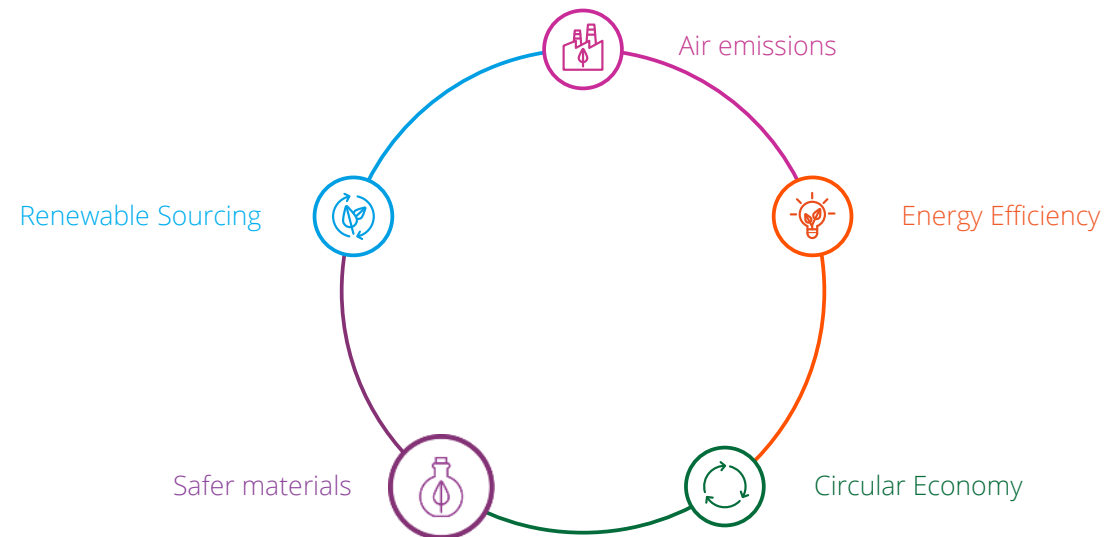


Key Performance Proposition



Key Sustainability Proposition

Low odor, APEO, Formaldehyde free



UNSDG no 12 : Responsible consumption and production



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SETAQUA® ECO 4021

ECOWISE™ CHOICE

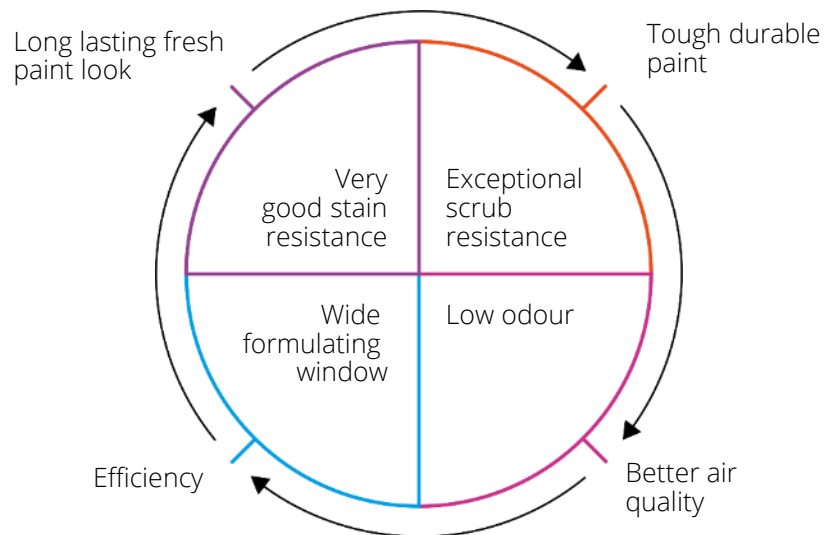
SETAQUA® ECO 4021 is a fine particle size, APEO free pure acrylic emulsion with exceptional stain resistance properties.

Applications

Premium interior broad wall paint with exceptional stain resistance, high scrub resistance and low odour.

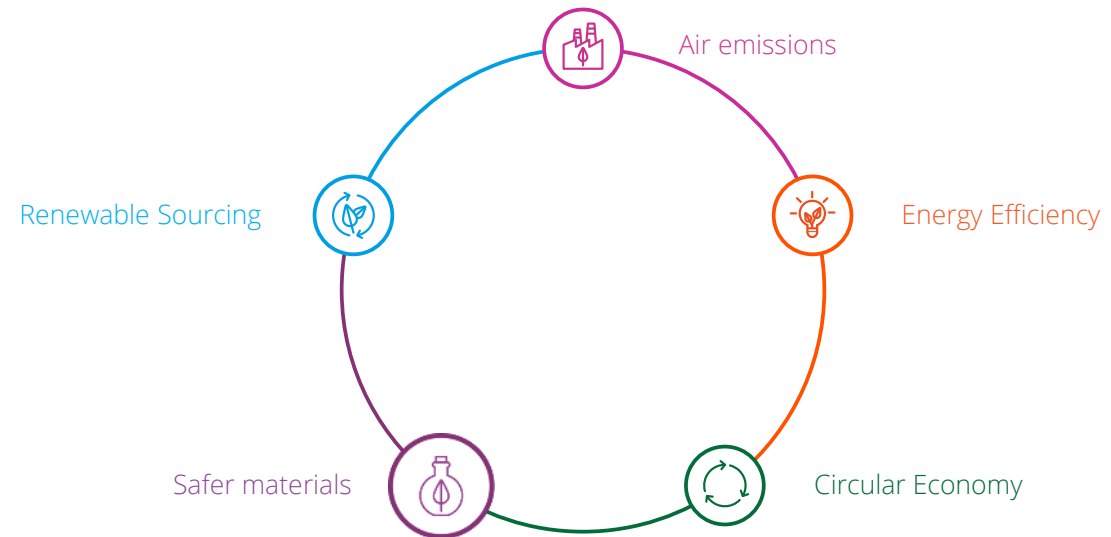


Key Performance Proposition



Key Sustainability Proposition

Low odor, APEO, Formaldehyde free



UNSDG no 12 : Responsible consumption and production



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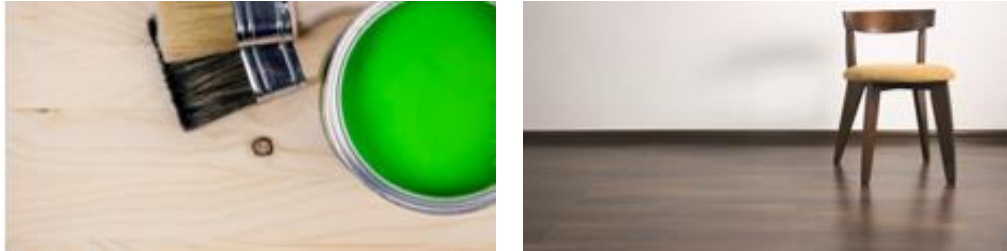


SETAQUA® 6778

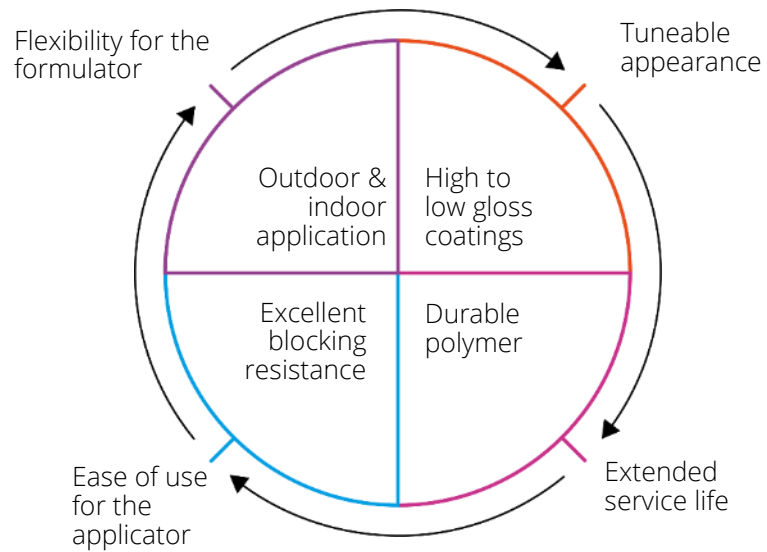
ECOWISE™ CHOICE

SETAQUA® 6778 a self crosslinking acrylic dispersion offering high gloss, good appearance, good application properties, good durability and excellent blocking resistance.

Applications
1-component interior and exterior pigmented wood finishes.

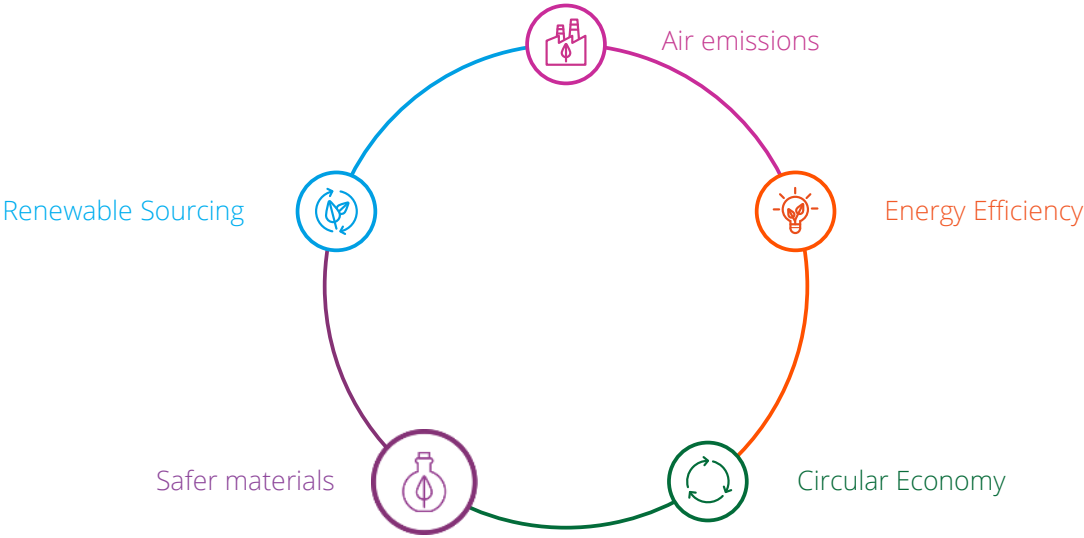


Key Performance Proposition



Key Sustainability Proposition

Safer raw materials



UNSDG no 12 : Responsible consumption and production



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SETAQUA® PAVE 700

ECOWISE™ CHOICE

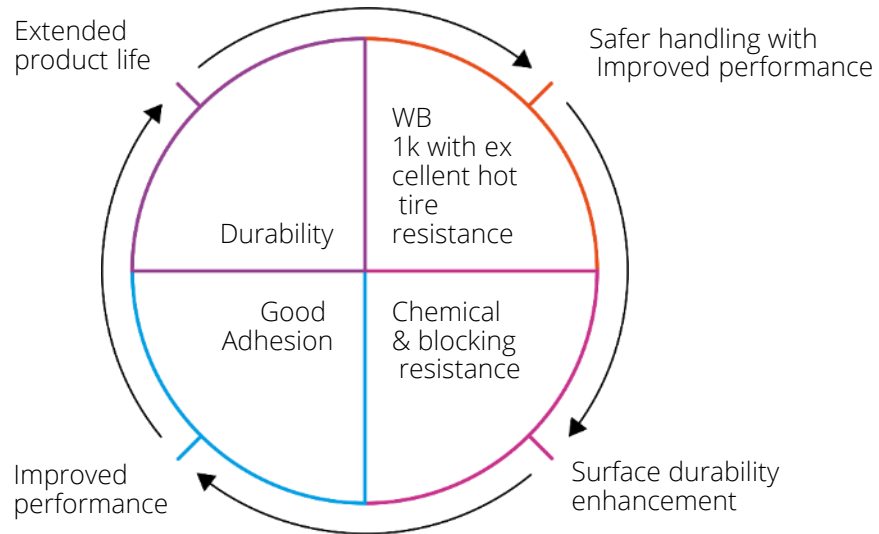
SETAQUA® PAVE 700 is a fine particle size acrylic polymer with ambient temperature crosslinking capability for air dry, water based paving paints applied to concrete surfaces.

Applications

Concrete floors and cementitious based surfaces, including garage floors, driveways and footpaths.

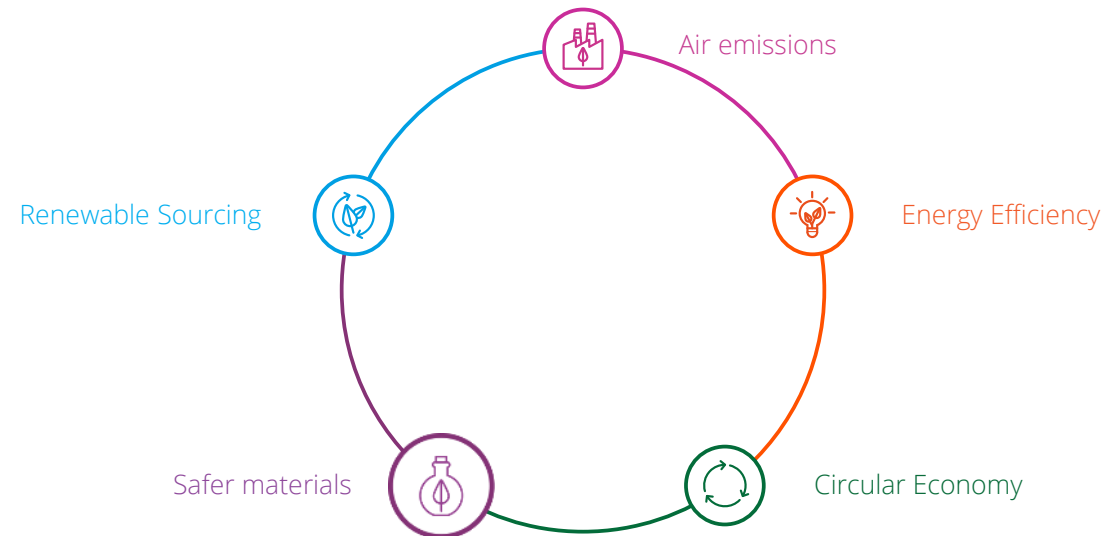


Key Performance Proposition



Key Sustainability Proposition

Safer raw materials



UNSDG no 12 : Responsible consumption and production



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UCECRYL® B 3034

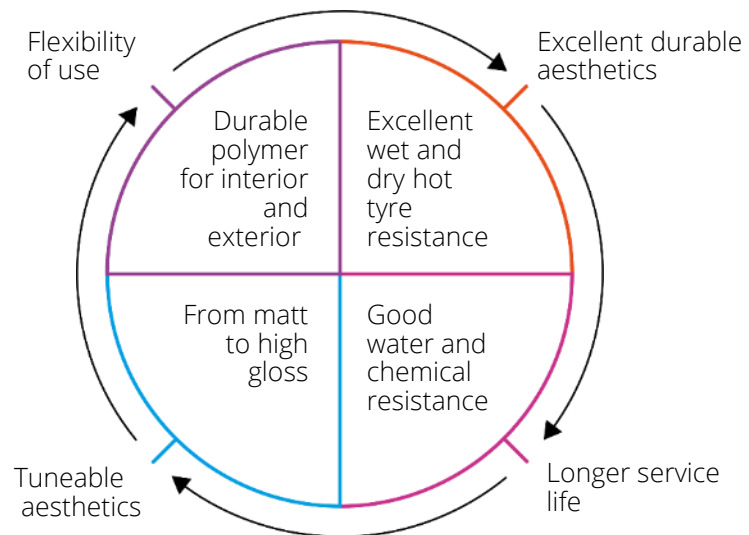
ECOWISE™ CHOICE

UCECRYL® B 3034 is a fine particle size pure acrylic emulsion recommended for use in formulated clear and pigmented sealers. UCECRYL B 3034 is manufactured without the use of alkyl phenol ethoxylated surfactants, formaldehyde, or formaldehyde generating raw materials.

Applications

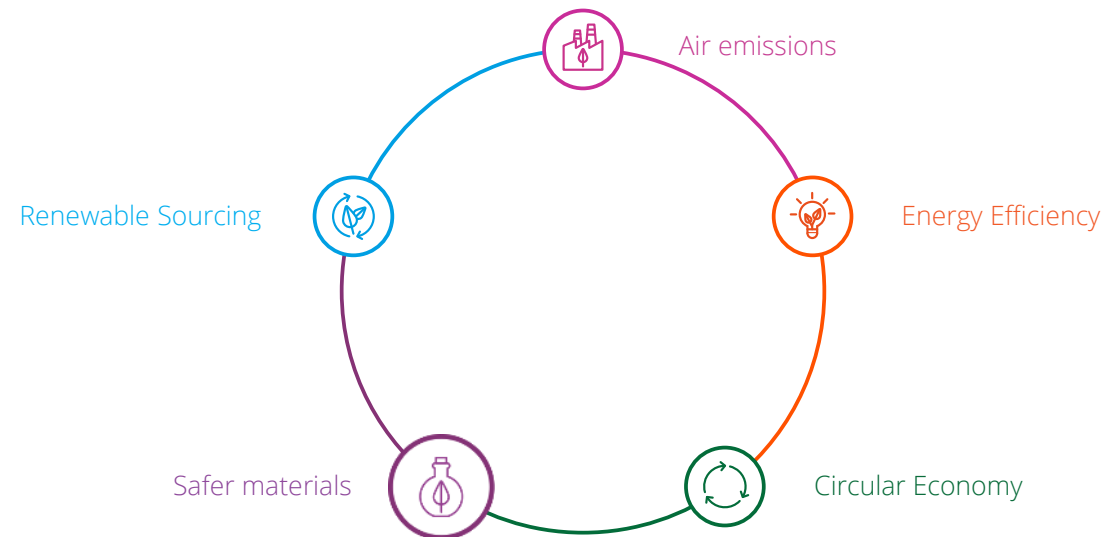
UCECRYL B 3034 can be used for both interior & exterior applications. Target applications include garage floors, pavers, porches, stamped concrete and playgrounds.

Key Performance Proposition



Key Sustainability Proposition

Safer materials and lower air emissions



UNSDG no 12 : Responsible consumption and production



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MACRYNAL® SM 6826w/43WA

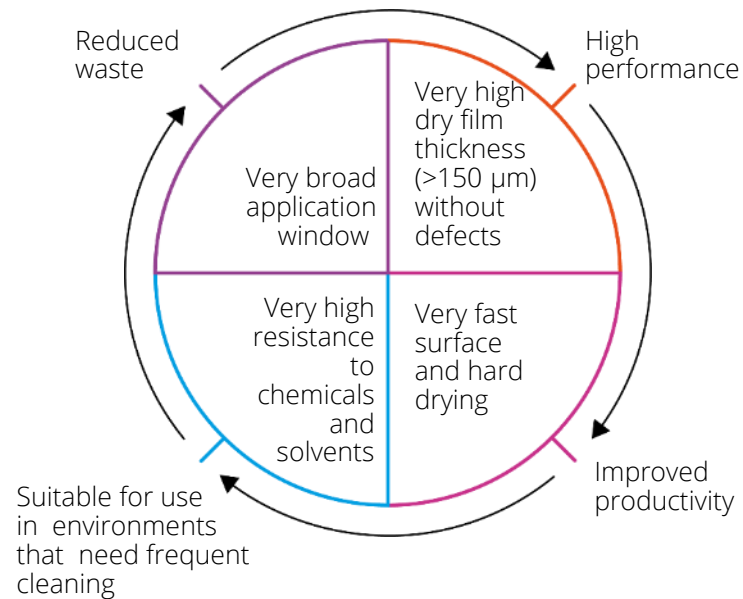
ECOWISE™ CHOICE

MACRYNAL® SM 6826w/43WA is a solvent-free, hydroxy functional polyacrylate dispersion and highly suitable for the formulation of top quality 2-pack polyurethane coatings, in particular primer surfacers/fillers as well as matte top- and clear coats, when used in combination with water-emulsifiable polyisocyanates.

Applications
Flooring

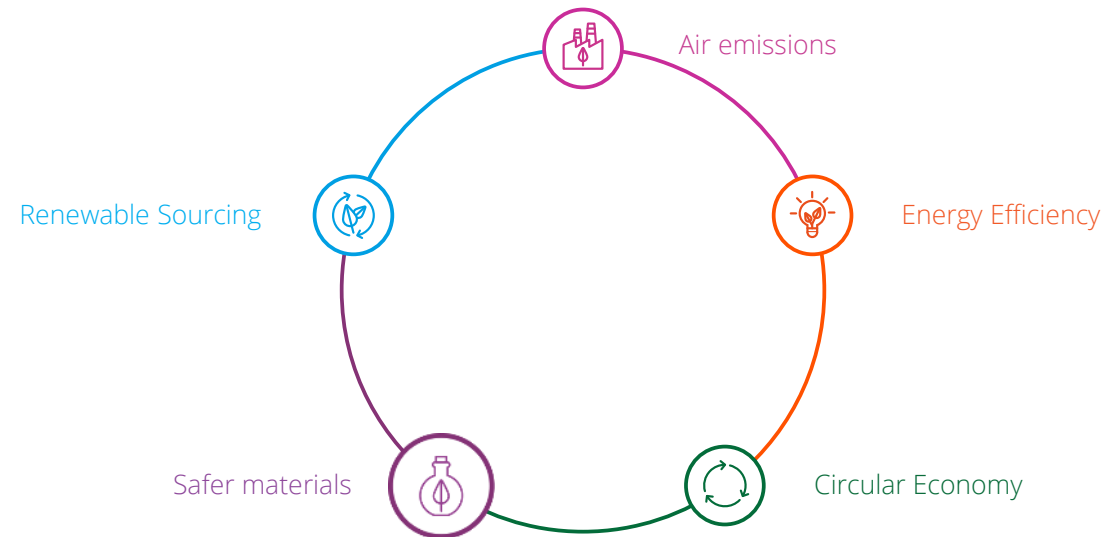


Key Performance Proposition



Key Sustainability Proposition

Solvent free, compliant with ECO Labels



UNSDG no 12 : Responsible consumption and production



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CRYLCOAT® 2666-3

ECOWISE™ CHOICE

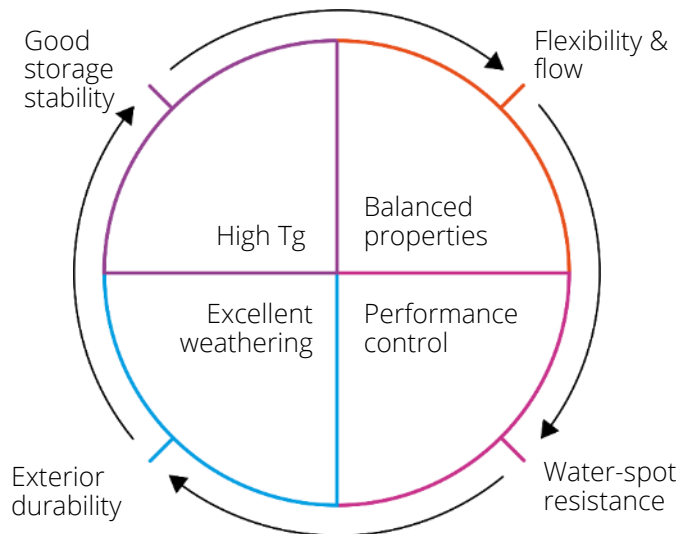
CRYLCOAT® 2666-3 is a high performance tribo active carboxyl functional polyester resin for use with 5% Primid® in outdoor powder coatings. Coatings made with CRYLCOAT 2666-3 exhibit good flow and mechanical properties, excellent outdoor durability, good overbake resistance, gas oven resistance and water-spot resistance.

Applications

Architectural aluminium extrusions.

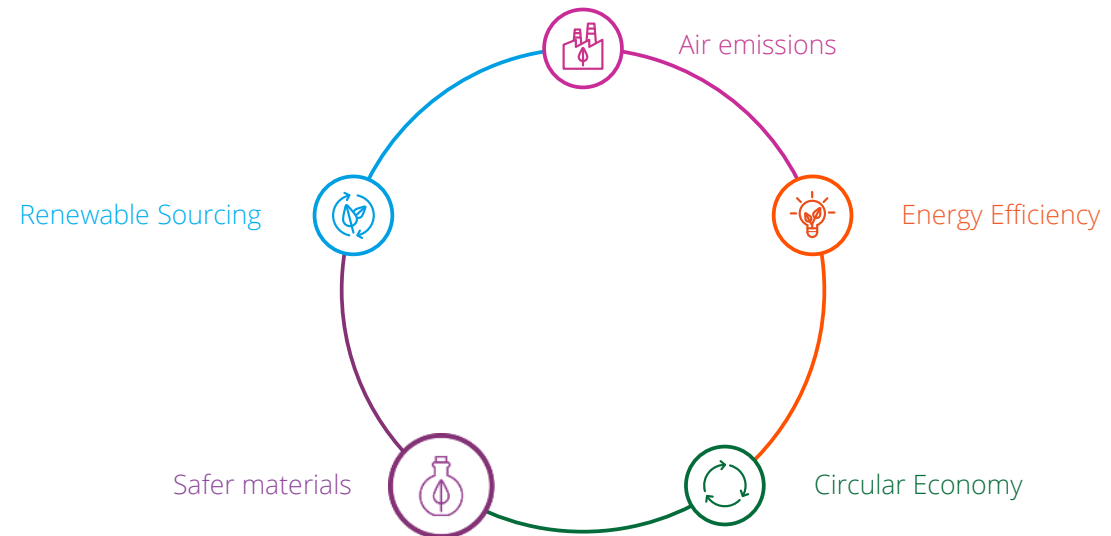


Key Performance Proposition



Key Sustainability Proposition

Safer materials; Energy efficiency



UNSDG no 12 : sustainable consumption




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CRYLCOAT® 2678-3

ECOWISE™ CHOICE

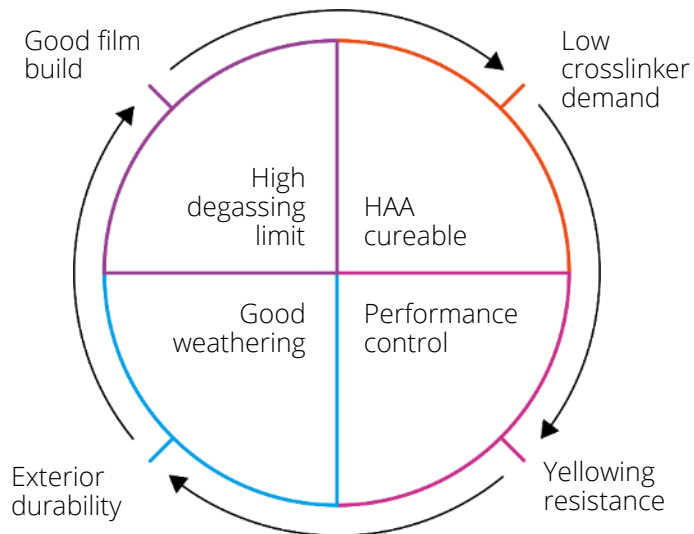
CRYLCOAT® 2678-3 is a low demand carboxyl functional polyester resin for use with Primid® XL 552 in 96.5/3.5 mixing ratio in architectural and industrial powder coatings. Coatings made with CRYLCOAT 2678-3 exhibit good flow, outdoor durability, yellowing resistance and high degassing limits.

Applications

Architectural aluminium extrusions, exterior general metal.

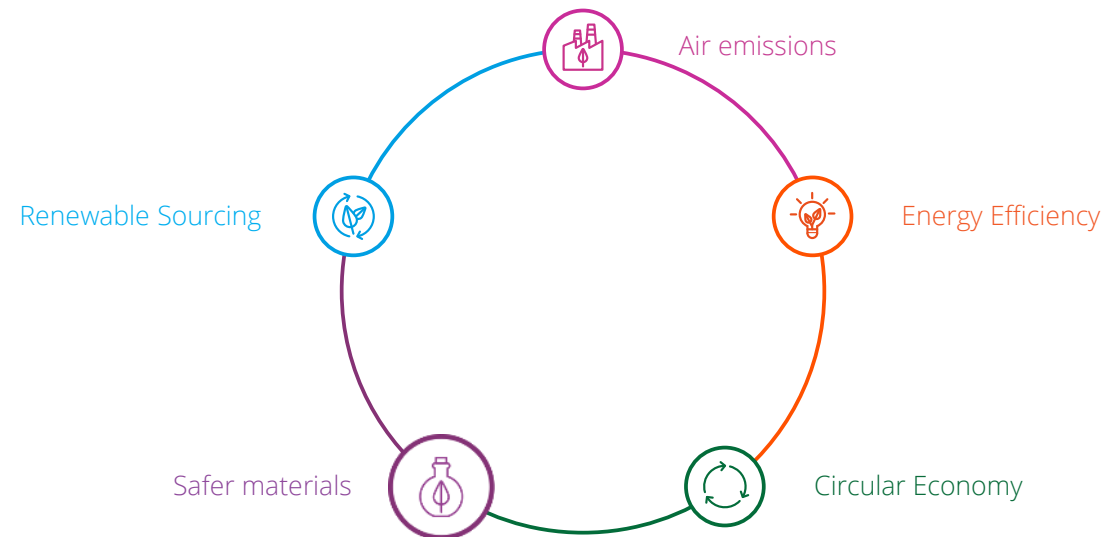


Key Performance Proposition



Key Sustainability Proposition

Safer materials; Energy efficiency



UNSDG no 12 : sustainable consumption



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CRYLCOAT® 2696-6

ECOWISE™ CHOICE

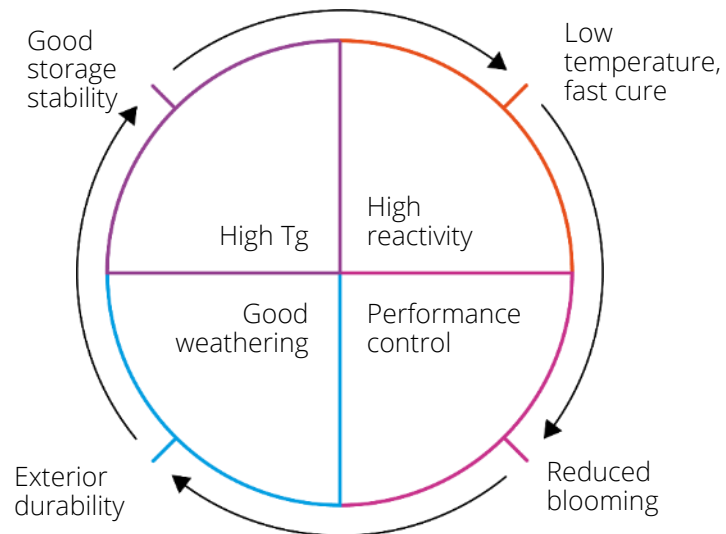
CRYLCOAT® 2696-6 is a high reactive, tribo enhanced carboxyl functional polyester resin for use with 5% Primid® XL 552 in low bake (10 min x 160°C) or fast cure (2 min x 180°C) formulations for the industrial coatings segment. Coatings based on CRYLCOAT 2696-6 exhibit excellent blooming-resistance at low temperatures and good overall properties.

Applications

General Industrial.

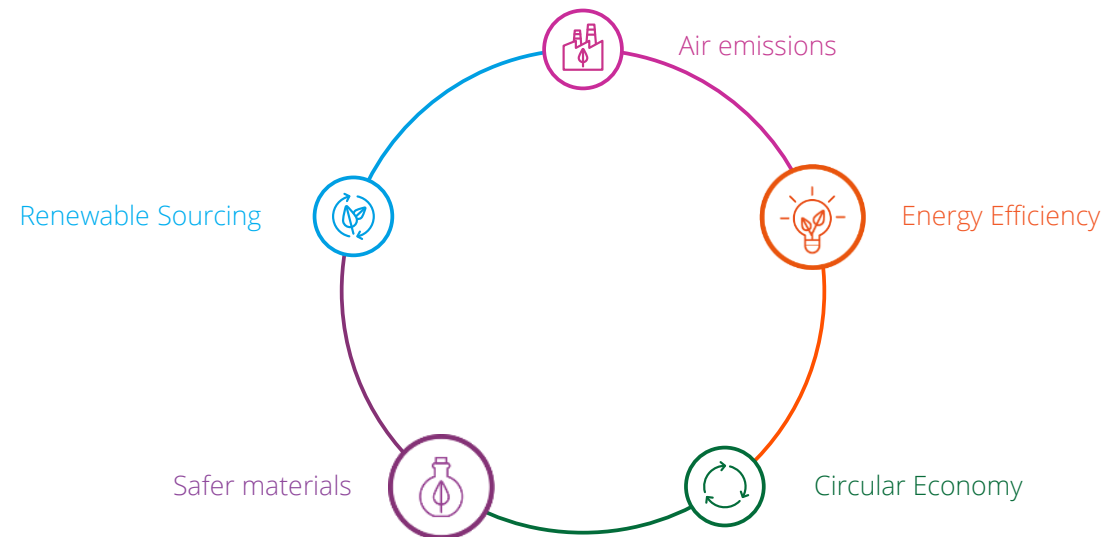


Key Performance Proposition



Key Sustainability Proposition

Safer materials; Energy efficiency



UNSDG no 12 : sustainable consumption




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CRYLCOAT® 4420-0

ECOWISE™ CHOICE

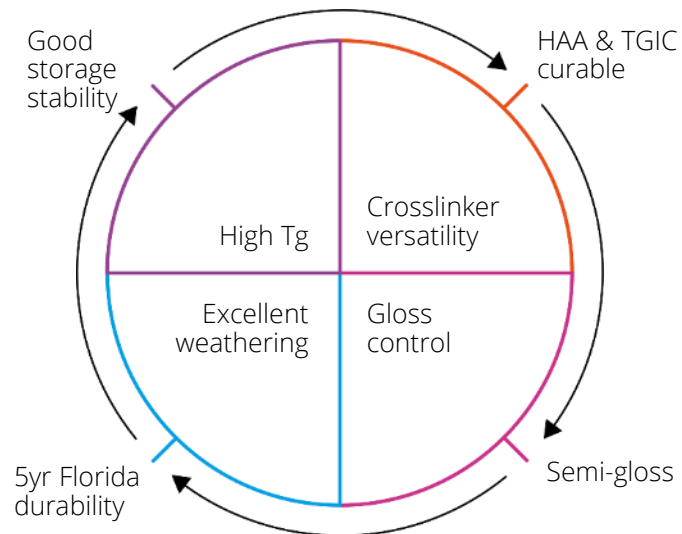
CRYLCOAT® 4420-0 is a carboxyl functional superdurable polyester resin for use with TGIC in a 90/10 ratio or Primid® XL 552 in 92/8 ratio. Formulations based on CRYLCOAT 4420-0 exhibit good flow and outstanding outdoor resistance. Dry blends with CRYLCOAT 4430-0 (TGIC) or with CRYLCOAT 4641-0 (Primid®) provide semi-gloss coatings.

Applications

Architectural aluminium extrusions.

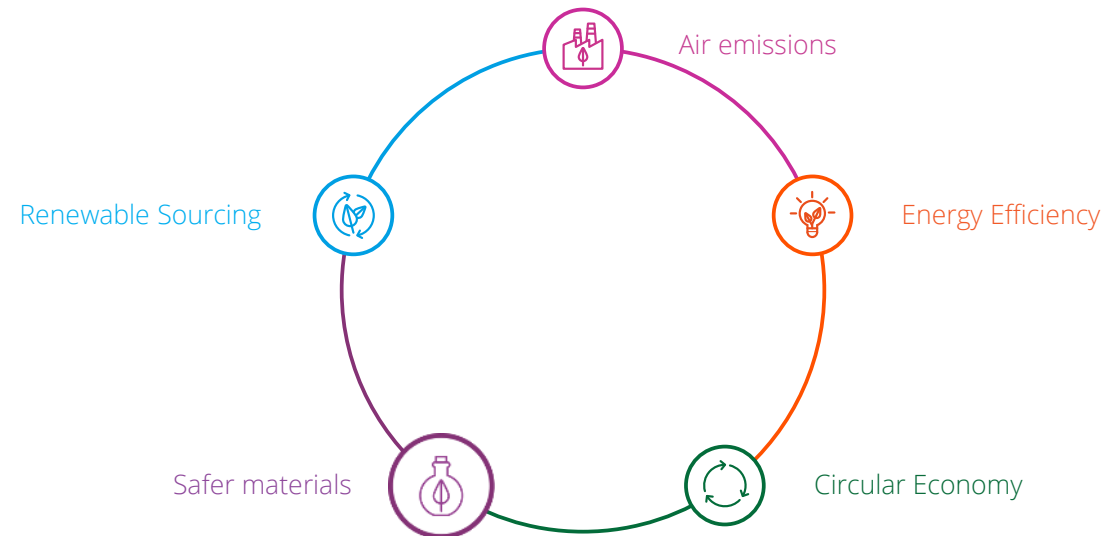


Key Performance Proposition



Key Sustainability Proposition

Safer materials



UNSDG no 12 : sustainable consumption



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CRYLCOAT® 4641-0

ECOWISE™ CHOICE

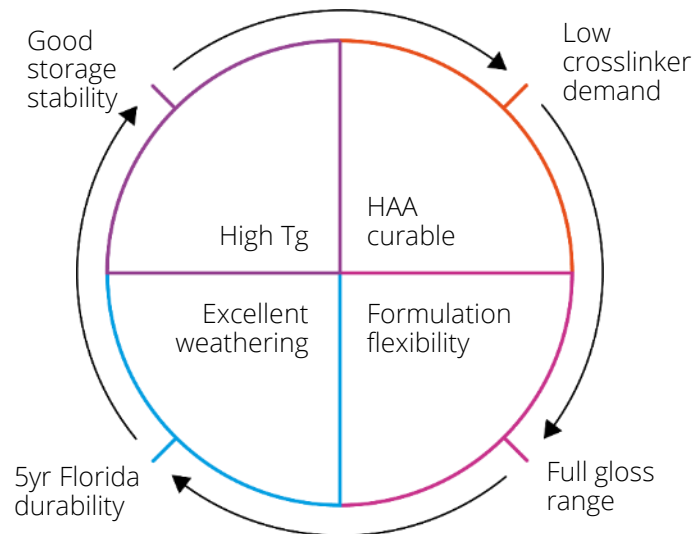
CRYLCOAT® 4641-0 is a superdurable, carboxyl functional polyester resin for the formulation of powder coatings with Primid® XL-552 in a 97/3 ratio. Coatings based on CRYLCOAT 4641-0 provide outstanding weather resistance. When dry blended with CRYLCOAT 4420-0 or CRYLCOAT 4679-0, a 60° gloss level of 30% or 20% respectively can be obtained.

Applications

Architectural aluminium extrusions.

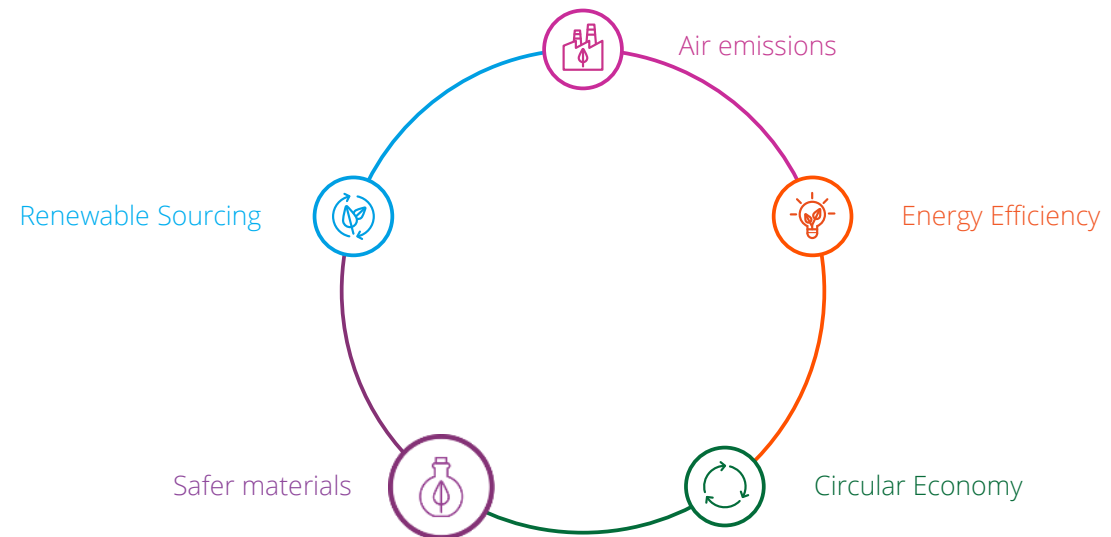


Key Performance Proposition



Key Sustainability Proposition

Safer materials



UNSDG no 12 : sustainable consumption




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CRYLCOAT® 4642-3

ECOWISE™ CHOICE

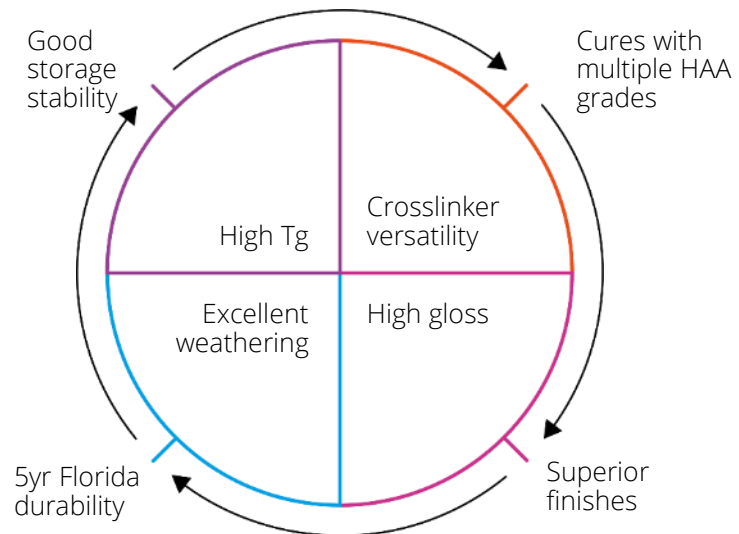
CRYLCOAT® 4642-3 is a superdurable carboxyl functional polyester resin for use with Primid® XL 552 or QM 1260 in ratios 95/5 or 94.5/5.5 respectively. When properly formulated, coatings based on CRYLCOAT 4642-3 can surpass 5 years Florida exposure.

Applications

Architectural aluminium extrusions, exterior general metal.

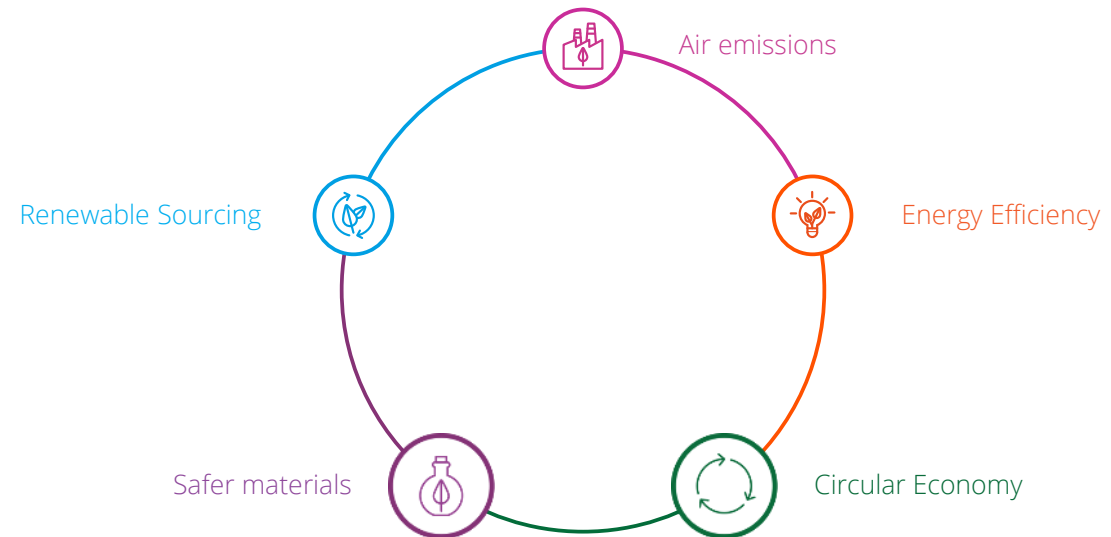


Key Performance Proposition



Key Sustainability Proposition

Circular economy, Safer materials



UNSDG no 12 : sustainable consumption




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CRYLCOAT® 4655-2

ECOWISE™ CHOICE

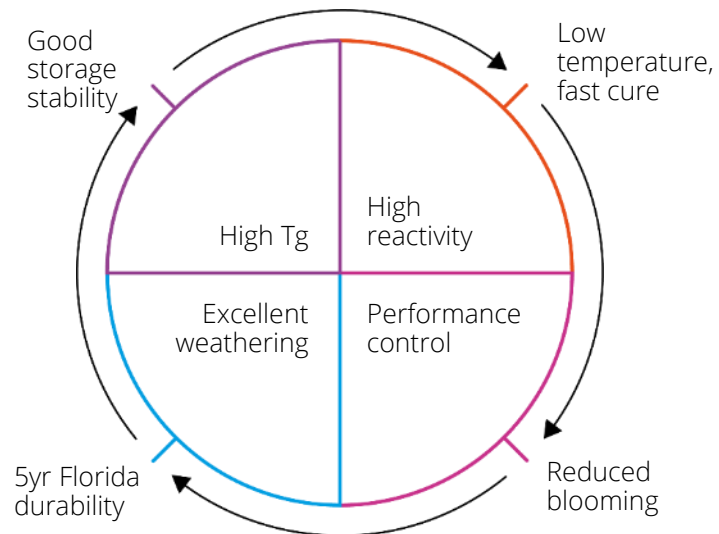
CRYLCOAT® 4655-2 is a superdurable resin for fast curing preferably textured 95/5 Primid® formulations. CRYLCOAT 4655-2 can replace up to 30% of low bake standard durable Primid® resins to improve blooming resistance, outdoor durability and reactivity.

Applications

Architectural aluminium extrusions.

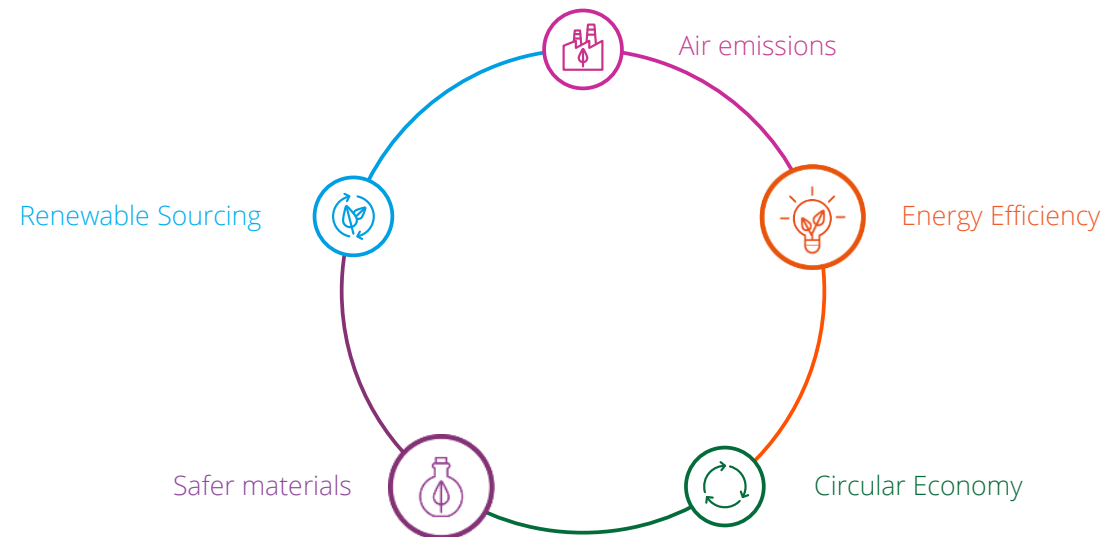


Key Performance Proposition



Key Sustainability Proposition

Safer materials; Energy efficiency



UNSDG no 12 : sustainable consumption




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CRYLCOAT® 4659-0

ECOWISE™ CHOICE

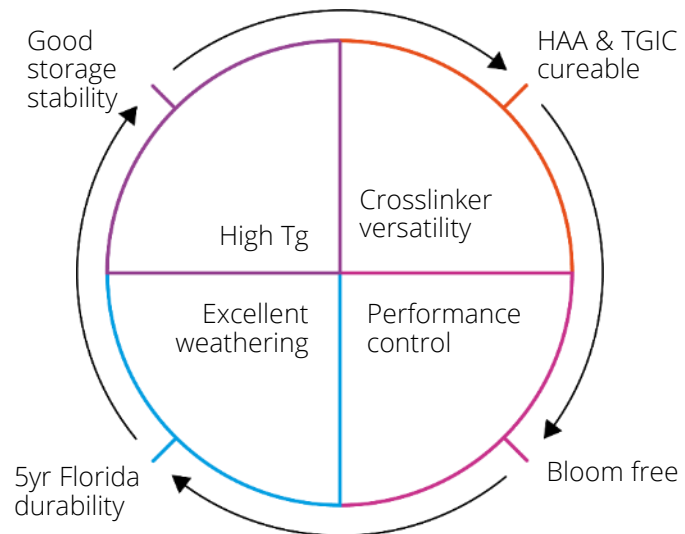
CRYLCOAT® 4659-0 is a superdurable carboxyl functional polyester resin for use with Primid® or TGIC to manufacture superdurable powder coatings. Coatings based on CRYLCOAT 4659-0 exhibit outstanding flow and are blooming free.

Applications

ACE, Architectural aluminium extrusions.

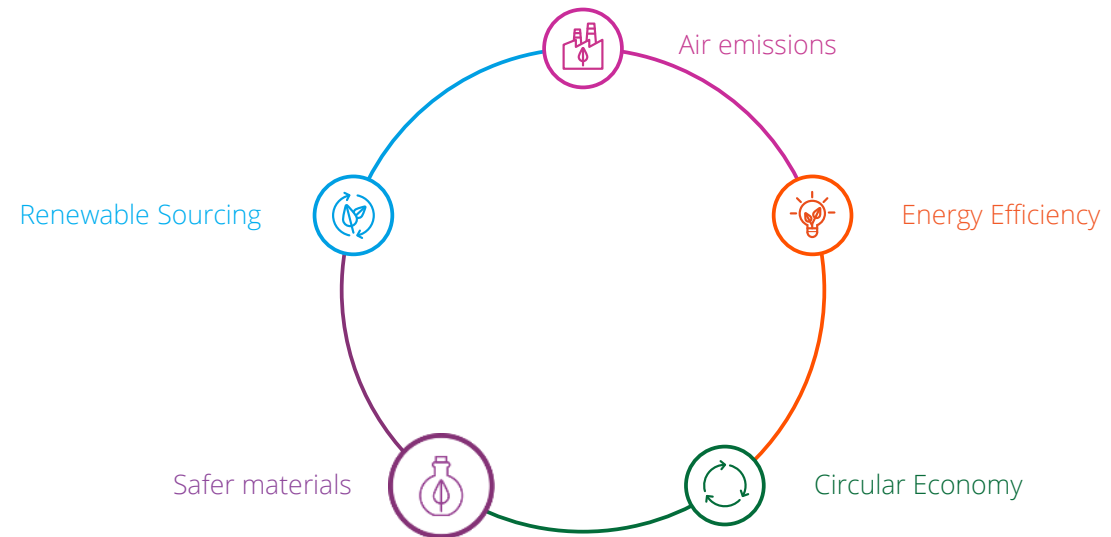


Key Performance Proposition



Key Sustainability Proposition

Safer materials; Energy efficiency



UNSDG no 12 : sustainable consumption




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Launching soon!



- ✓ Bio based, self crosslinking waterborne acrylic for decorative and industrial wood applications
- ✓ >40% bio based content
- ✓ High performance with good chemical resistance, hardness development, and good gloss



UCECRYL® B 3034

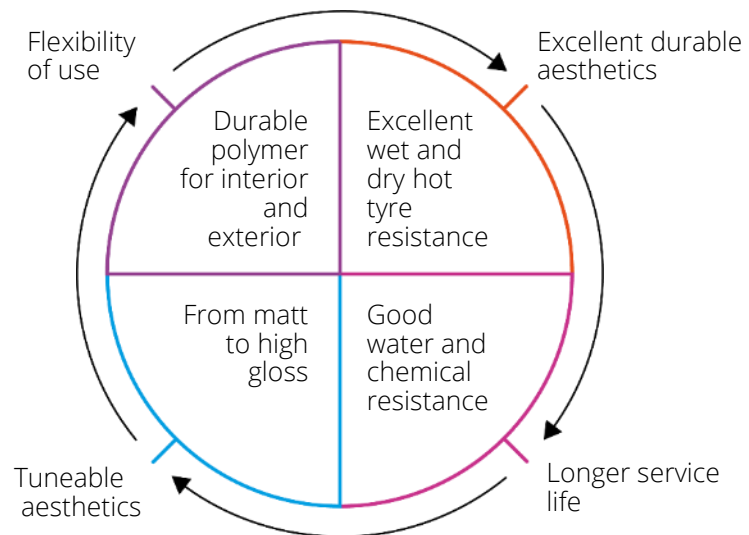
ECOWISE™ CHOICE

UCECRYL® B 3034 is a fine particle size pure acrylic emulsion recommended for use in formulated clear and pigmented sealers. UCECRYL B 3034 is manufactured without the use of alkyl phenol ethoxylated surfactants, formaldehyde, or formaldehyde generating raw materials.

Applications

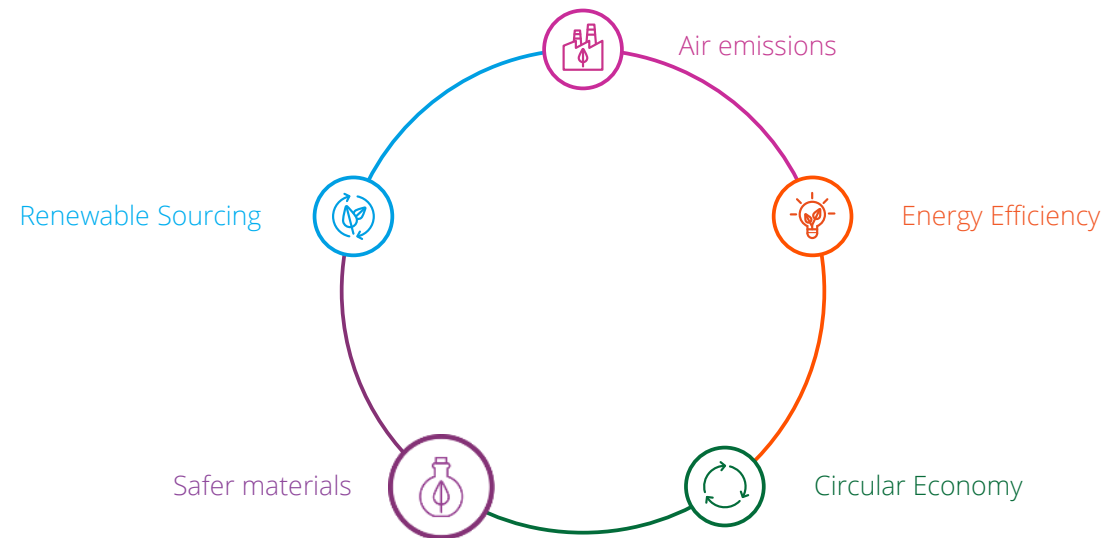
UCECRYL B 3034 can be used for both interior & exterior applications. Target applications include garage floors, pavers, porches, stamped concrete and playgrounds.

Key Performance Proposition



Key Sustainability Proposition

Safer materials and lower air emissions



UNSDG no 12 : Responsible consumption and production



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CRYLCOAT® 2696-6

ECOWISE™ CHOICE

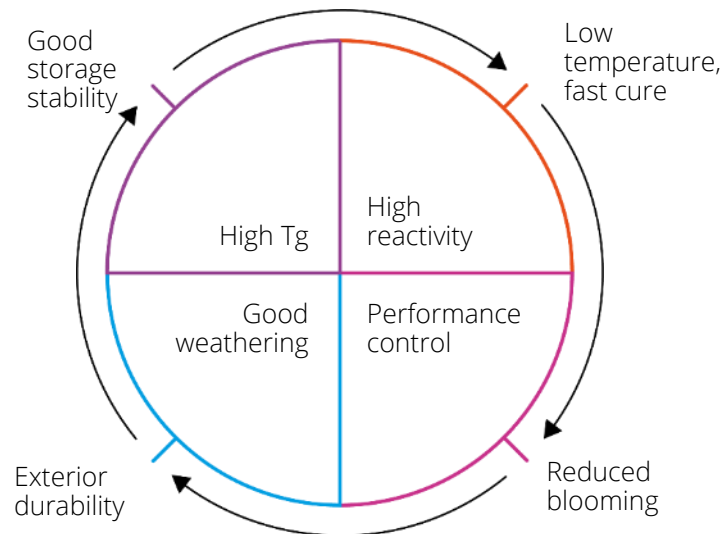
CRYLCOAT® 2696-6 is a high reactive, tribo enhanced carboxyl functional polyester resin for use with 5% Primid® XL 552 in low bake (10 min x 160°C) or fast cure (2 min x 180°C) formulations for the industrial coatings segment. Coatings based on CRYLCOAT 2696-6 exhibit excellent blooming-resistance at low temperatures and good overall properties.

Applications

General Industrial.

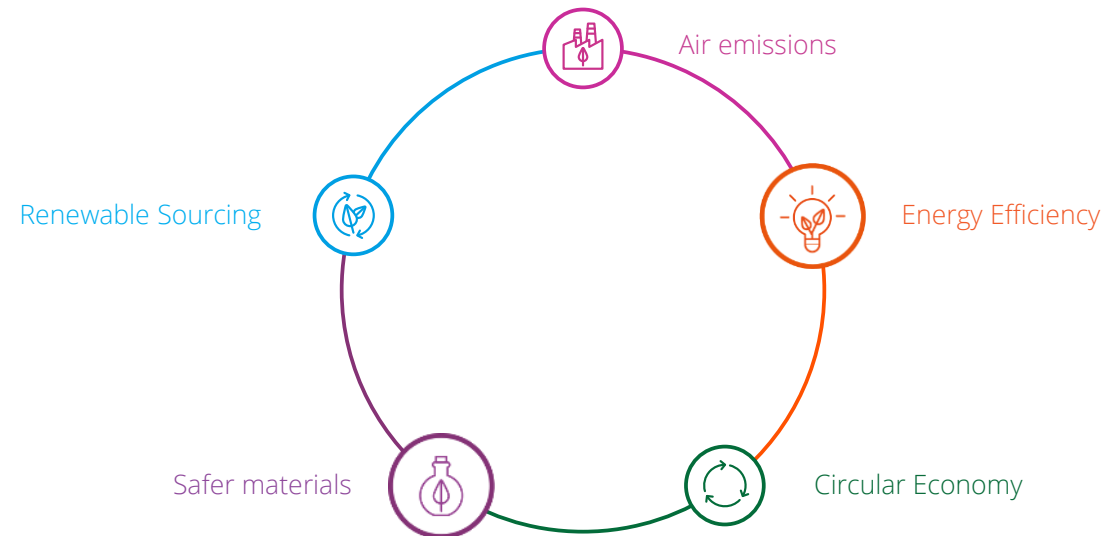


Key Performance Proposition



Key Sustainability Proposition

Safer materials; Energy efficiency



UNSDG no 12 : sustainable consumption



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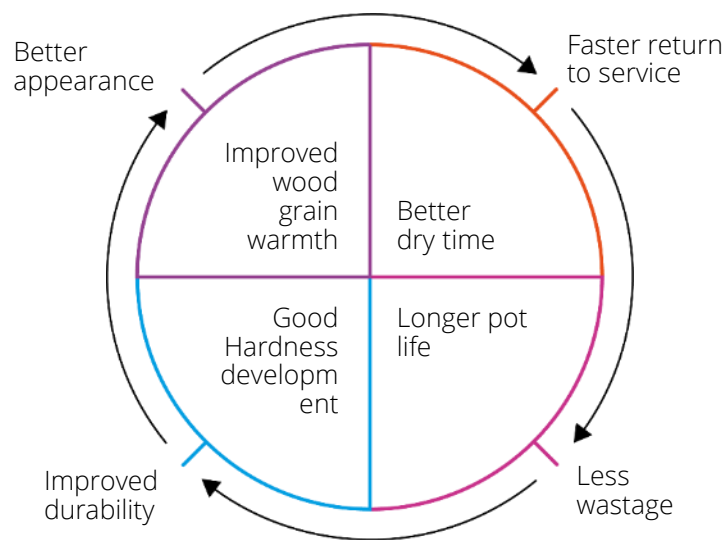
CYMEL® NF 3030

Formaldehyde-free crosslinking agent supplied in water. It was designed primarily for use in 2 component, ambient or forced cure, water-borne conversion varnishes for industrial wood when formulated with VIACRYL® SC 6834w/42WA. Resulting formulas exhibit superior catalyzed pot life relative to isocyanate-based conversion varnishes. The resulting coatings have excellent appearance, early hardness, resistance properties, and hot/cold cycle flexibility.

Applications

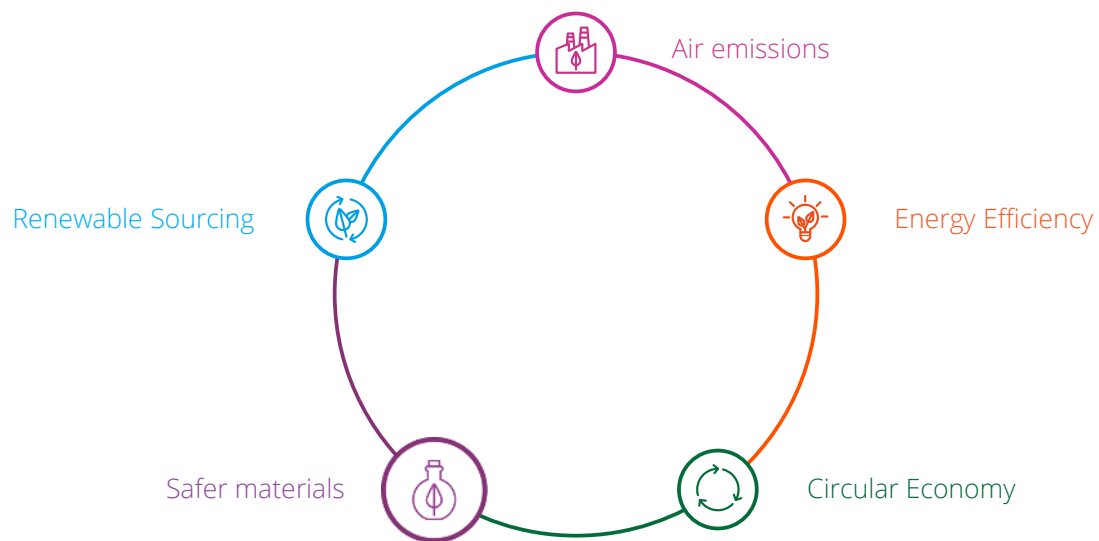
Industrial Wood Coatings, Encapsulation.

Key Performance Proposition



Key Sustainability Proposition

No VOC's, formaldehyde free



UNSDG 12: Responsible consumption and production



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CRYLCOAT® 4642-3

ECOWISE™ CHOICE

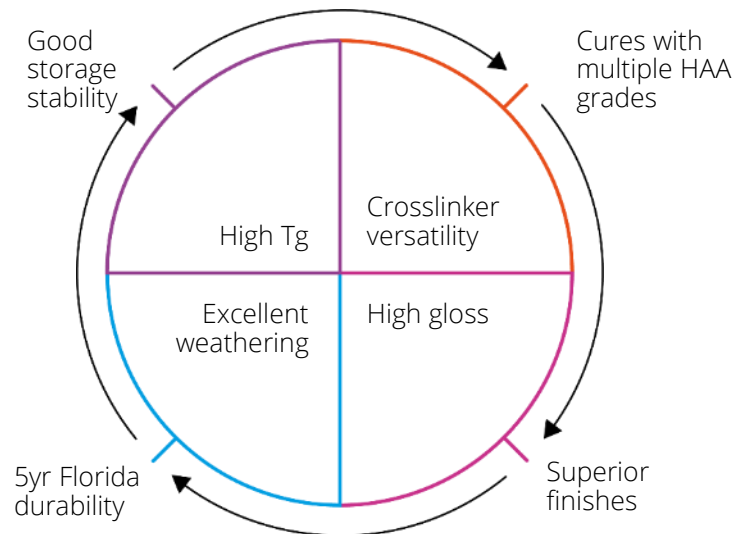
CRYLCOAT® 4642-3 is a superdurable carboxyl functional polyester resin for use with Primid® XL 552 or QM 1260 in ratios 95/5 or 94.5/5.5 respectively. When properly formulated, coatings based on CRYLCOAT 4642-3 can surpass 5 years Florida exposure.

Applications

Architectural aluminium extrusions, exterior general metal.

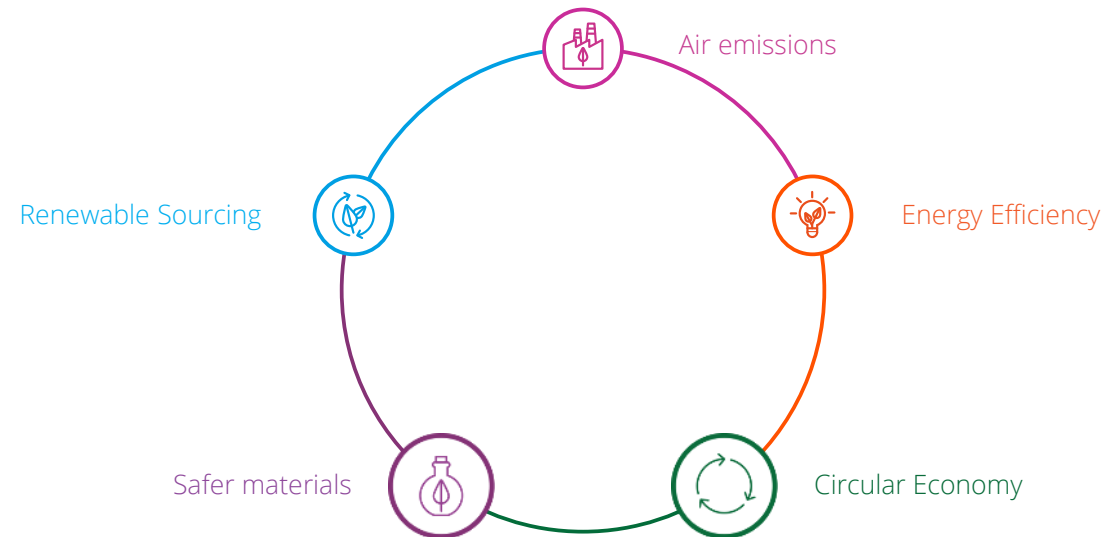


Key Performance Proposition



Key Sustainability Proposition

Circular economy, Safer materials



UNSDG no 12 : sustainable consumption



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1. **What is ECOWISE CHOICE?**
 - a) ECOWISE CHOICE is the allnex brand for our sustainable product portfolio
 - b) We have assessed our products against ecolabel's criteria to ensure products in the ECOWISE CHOICE range can help our customer meet these requirements. The criteria used is shown in the questionnaire. We have tools available to communicate transparently to our customers.
2. **How is allnex selecting the ECOWISE CHOICE portfolio?**
 - a) In setting up the methodology, process and guidelines we have closely followed the recommendations provided by World Business Council for Sustainable Development (WBCSD, 2019). Additionally KPMG Sustainability analyzed our Sustainability Portfolio Management methodology, which helped us to identify key areas in our process, governance structure and methodology to focus on for a continuous improvement approach. More information is available at allnex.com
 - b) Within the methodology for ECOWISE CHOICE we have not included the full carbon footprint analyses of our products. Additionally, our assessments for renewable sourcing and energy efficiency excludes the energy consumed at our facilities. We have identified the GHG emission aspect with our energy efficiency targets reduction set at manufacturing level and working with suppliers to improve traceability of the GHG emissions. We are also working on our capabilities to assess GHG emissions on a product level and to support our customers with Life Cycle analyses for ECOWISE CHOICE products
3. **How can allnex support me on LCA data?**
 - a) Cradle-to-cradle Life-Cycle Assessment (LCA) is a thorough scientific approach to examine a product in its different applications. For the purpose of the ECOWISE CHOICE selection we limit the assessment to a qualitative analysis to identify the environmental benefits of our product in comparison to the competition. These benefits range from improved technical performance, increase energy efficiency or lower emissions. The SPM relies on qualitative thinking to ensure other material topics (e.g. durability) are covered, which our LCA does not address.
 - b) We are open to having further discussions with you, should you need data for your own LCA. Please reach out to at psra-customer-requests@allnex.com if you wish to discuss your needs with an allnex representative.



4. How can allnex support me with regard to data on renewable and recycling content?

- a) We can provide an allnex declaration of renewable or recycled content based on our suppliers' statements and our internal auditing. For renewable materials containing a C14 or biomass balance declaration will be issued, depending on customer needs, the raw material supply, and process flows. The ability to issue a C14 declaration for a product may require investments in the supply and process chains which will be considered after validation with customers.
- b) We are adopting a responsible sourcing vision to develop our new renewable products, including considerations on issues as competition with food, land use and impact on local communities in materials selection. We target sourcing from 2nd generation feedstock (by-products/ residues from forestry, agriculture, industry or waste streams) whenever possible, and we evaluate sources that use regenerative agricultural and forestry practices. For more information, please refer to our renewable materials brochure.

https://www.allnex.com/getmedia/f7f51d17-bb2c-47fd-9527-6da07e2b2deb/0141_AL-Renewables_web.pdf

5. How often is the ECOWISE CHOICE portfolio reviewed?

- a) The ECOWISE CHOICE portfolio is a living selection following evolution of our product offerings, changing benchmarks and market needs. You will see more products being added as we continue the assessment of our current portfolio and new products are introduced to market. Furthermore allnex is continuously monitoring regulatory updates and developing trends. These identified changes will be implemented during annual reviews. However, this process may be expedited if we see a strong indication of changing trends which would significantly impact the relevancy of ECOWISE CHOICE. The products and questionnaire listed in this version of the document are updated as of July 2021. Kindly refer to the allnex website for the latest version. (<https://www.allnex.com/en/technologies/ecowise-choice>)

6. Are allnex's results externally assured?

- a. We are in the process of building reliable databases and take steps for assurance.

CONTACT US FOR MORE INFORMATION

Contact your allnex representative or visit our website
www.allnex.com for all your sustainability needs.



ECOWISE™ CHOICE FOR BUILDINGS AND DECORATIVE APPLICATIONS



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GLOSSARY

Term	Definition
BU	Business Unit
C14	Radiocarbon, or carbon-14 (also written as 14C), is an isotope of carbon that is unstable and weakly radioactive .Recently living materials (the biobased component) have Carbon-14 while fossil fuel derived materials do not. Bio based carbon content of a product is determined by radiocarbon dating method (ASTM 6866)by analyzing the radioactive carbon content versus the total carbon content
CMR	Carcinogenic, Mutagenic or Toxic for Reproduction
ECHA	European Chemicals Agency
GHG	Greenhouse Gas. A gas that contributes to the natural greenhouse effect. The Kyoto Protocol covers a basket of six greenhouse gases (GHGs) produced by human activities: carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride. Annex I Parties' emissions of these gases taken together are to be measured in terms of carbon dioxide equivalents on the basis of the gases' global warming potential. An important natural GHG that is not covered by the protocol is water vapor. Source: European Commission. Climate change: Glossary of common terms and acronyms. http://glossary.eea.europa.eu/EEAGlossary/G/greenhouse_gas
LCA	Life-cycle assessment (LCA) is a process of evaluating the effects that a product has on the environment over the entire period of its life thereby increasing resource-use efficiency and decreasing liabilities. It can be used to study the environmental impact of either a product or the function the product is designed to perform. LCA is commonly referred to as a "cradle-to-grave" analysis. LCA's key elements are: (1) identify and quantify the environmental loads involved; e.g. the energy and raw materials consumed, the emissions and wastes generated; (2) evaluate the potential environmental impacts of these loads; and (3) assess the options available for reducing these environmental impacts. Source European Commission. Climate change: Glossary of common terms and acronyms , https://www.eea.europa.eu/help/glossary#c4=10&c0=all&b_start=0&c2=lca
PAC	Product Application Combination, used to analyse a product in combination with the relevant market application to assess it's sustainability value
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SPF	Starting Point Formulation. Recommended formulation for a product for use in a coating
SPM	Sustainable Portfolio Management
STOT RE	Specific target organ toxicity - repeat exposure (STOT-RE) means specific target organ toxicity arising from repeated exposure to a substance or mixture
UNSDG	United Nations Sustainable Development Goals
UV	Ultraviolet. UV curing or energy curing is a type of coating technology cured by ultraviolet radiation
WB	Waterborne. WB coatings are type of coating technology where the carrier is water

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