

Why buy from PALEUS Acrylics?

Experienced in supplying a range of medium sized users as well as blue-chip customers since 2004 **(21 years in business)** in UK and mainland Europe.

In-house polymerisation

Competitive in the supply of medium sized annual demands (which larger players view as beneath their target size).

SME agility & passion, blue chip professionalism

Aiming to give customers the best of both worlds and in doing so being the best value supplier partner.

Innovation

Working to provide next generation value adding material solutions and avoid being left behind using yesterdays technology.

Customer designed products

Allowing customers to access the best designed product solution for their needs.



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www.paleusacrylics.com



Creating **acrylic polymer** solutions



UK manufacturer of acrylic polymer emulsions and speciality polymers



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A UK manufacturer and developer of water based **acrylic polymer emulsions**



Acrylic polymer emulsion pressure sensitive adhesives (PSAs) used in label stock, tape and specialist adhesive markets.



Acrylic polymer emulsions (water based) used as high-performance binders in coatings, construction, waterproofing and artist paints markets.



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**100% RENEWABLE
ELECTRICAL ENERGY USER**

PALEUS - working to deliver sustainable solutions



Pressure Sensitive Adhesive (PSA) designed for permanent, semi-permanent and removable applications.

- **Robust PSA formulations** which can be personalised to meet individual customer needs.
- **Established supplier** to some of UK & Europe's leading labelstock and tape manufacturers – in bulk and IBCs.

Key capabilities include

- Adhesives with a wide range of end-use performances from easy peel, clean removability, exceptionally high shear, to good adhesion on low surface energy substrates.
- Coater-ready water-based PSAs with various solids content, pH, and viscosities.
- Products designed to run on all coating machines – including Reverse gravure, Knife over roll, Mayer bar and curtain coating machines.
- Products able to meet EU Food contact, EU Toy directive and California Prop 65 regulations.
- 20 year history servicing a variety of labelstock and tape manufacturers PSA product needs.

Key Market Sectors

- **Label stock** - Range of clear high-performance adhesives which have high affinity to paper and good adhesion to allow clean removal from a surface.
- **Tapes** - PSAs with permanent tack with good adhesion to many surfaces including low surface energy substrates that can adapt to film stresses.
- **Specialist Adhesives** - PSAs for specialist applications and a variety of different substrates which can be tailored to specific customer uses.

PALEUS Acrylics is a business of privately owned PALEUS Group – with a >36 year history, and comprising of 3 businesses: **(i)** PALEUS Acrylics **(ii)** PALEUS Contract Chemicals a confidential contract polymer and chemical manufacturer and **(iii)** DSA Chemicals a manufacturer and supplier of specialist chemicals to the Oil processing industry.



Acrylic latex binders for the DIY and Industrial market sectors as well as speciality coatings and artist's paints.

- **New styrene-acrylic and pure acrylic range** for 50 – 1000+ mtpa demands, supplied by UK polymeriser dedicated to meeting customer product needs.
- **UK-based manufacturer** established in 2004, serving customers throughout the UK and Europe, products available in bulk and (IBCs).

Key capabilities include

- Acrylic latex binders with superior film forming performance, high durability and excellent water resistance.
- Water based and low VOC content.
- Products which can be adapted to meet changing regulatory requirements.
- Products adapted for special markets - including personal care and indirect food contact.
- Multi-surface adhesion – tailor-made coatings for metal, glass, plastics and concrete.
- Resistance to efflorescence and scrub.
- Tuneable flexibility and tensile strength.

Key Market Sectors

- **Coatings** - high-performance binders designed for applications such as architectural coatings (interior & exterior paints), roof coatings, textured paints, flexible fillers, decorative caulks and sealants.
- **Construction** - recommended for use in cement-based formulations such as floor screed, repair mortars, plaster primers, sealants, tile adhesives and ready-mix tile grouts.
- **Waterproofing** - suitable for liquid waterproofing systems and masonry paints.
- **Artist Paints** - designed for use in water-based artist colours and educational paint formulations.



Visit our our website to see a full breakdown of the product characteristics

www.paleusacrylics.com



PALACRYL

Acrylic polymer emulsions (water based) used as high-performance binders in coatings, construction, waterproofing and artist paints markets.

Product	Typical applications								Chemical composition	Typical properties*					Special features
	Architectural coatings	Acrylic artist paint	Caulks and sealants	Water proofing	Direct to metal	Building liquid	Tile adhesive	Roof tile coating		Solids (%)	pH	Viscosity (mPas)	MFFT °C	Tg (measured) °C	
PALACRYL 7010	●			●	●			●	Acrylic core-shell	50	8.0	450	<0	2	Exterior waterproofing, adhesion to multiple substrates
PALACRYL 7020	●			●				●	Acrylic self-crosslinked	50	8.0	450	<0	4	Enhanced durability, low penetration into porous substrates
PALACRYL 5010	●	●		●				●	Acrylic core-shell	50	8.5	250	< 0	0	High exterior durability, low VOC, high efflorescence resistance
PALACRYL 5020	●			●				●	Acrylic core-shell	40	8.5	50	< 0	0	Blocking resistance, water whitening/efflorescence resistance
PALACRYL 5030	●			●					Acrylic	50	8.0	700	7	18	Low VOC, scrub resistance
PALACRYL 3010			●					●	Styrene-acrylic	50	7.0	400	10	18	Alkali/water resistance, pigment binding
PALACRYL 3040	●	●	●						Styrene-acrylic	50	8.0	600	12	20	High tensile strength, pigment binding
PALACRYL 3041	●	●							Styrene-acrylic	50	8.0	500	18	24	Strong pigment binding
PALACRYL 3042	●	●							Styrene-acrylic	50	7.5	800	34	38	High Tg/MFFT for rigidity
PALACRYL 3050					●		●		Styrene-acrylic	50	7.0	300	10	13	Adhesion, water resistance, tensile strength, impact resistance
PALACRYL 3060					●		●	●	Styrene-acrylic	57	8.0	750	< 0	-12	High adhesion and flexibility
PALACRYL 3070				●		●	●	●	Styrene-acrylic	57	7.0	400	< 0	10	Filler/pigment binder properties, multi-surface adhesion

*Not product specification





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ACRYLICS



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PALATAC

Acrylic polymer emulsion pressure sensitive adhesives (PSAs) used in label stock, tape and specialist adhesive markets.



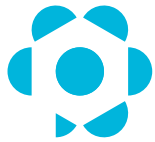
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	Water proofing	Paper labels	Construction tape	Double-sided tape	Speciality tape	Protective	Graphic films	Flooring	Thermal paper	Minimum application temperature (°C)	Solids (%)	pH	Viscosity (mPas)	Peel adhesion (PET/Steel) 180° (N/25 mm)	Static Shear (h)	Tack (N/25 mm2)	
Removable adhesive tape	Typical applications									Typical properties*							Special features
PALATAC R2930		●				●				-5	54	7.5	500	4	-	5	No primer needed, food grade
PALATAC R2909S**		●					●	●		-5	50	4.5	500	4	> 8	3	No primer needed, clean removal
PALATAC R2915**		●				●		●		-5	55	8.0	500	4	4	5	High initial tack, clean removal
PALATAC R2913ST		●				●				-5	53	4.5	900	4	4	4	Ready to use, clean removal
Permanent adhesive tape																	
PALATAC P4908**				●	●					-20	54	5.0	600	> 14	> 200	> 12	High cohesion and repositionable
PALATAC P4909**		●		●	●					-20	54	5.5	400	> 12	> 200	> 12	Permanent adhesive for label applications
PALATAC P4901M**			●	●	●	●				-20	54	5.5	300	> 18	> 100	> 15	High peel and high shear for direct coating
PALATAC P4910A			●	●	●					-20	52	6.5	500	> 15	>100	> 14	Good adhesion to LSE substrates
PALATAC FL3802	●					●				-20	51	6.0	600	8	> 150	6	High shear, repositionable, film lamination
PALATAC P4918				●		●				-5	54	5.5	300	n/a	n/a	n/a	Primer for overlamine and construction
PALATAC P4922			●	●	●					-20	53	6.5	450	> 18	> 40	> 15	Adheres to metallic foils and LSE substrates
PALATAC PW2245**				●	●					-20	54	5.0	600	> 14	> 200	> 12	Fast wash off in alkaline solution
PALATAC P5120D	●	●								-20	54	7.5	500	> 15	5	> 15	Formulated for freezer use
PALATAC P4945			●		●	●		●		-20	54	5.5	600	> 14	> 100	> 15	High tack, high adhesion to LSE substrates
PALATAC P4932LV			●		●			●		-20	58	5.5	1500	> 18	> 20	> 15	Flooring and carpet tile adhesive
PALATAC P5100F	●	●					●			-20	52	6.0	400	> 10	-	> 10	Water resistance for drum labels

*Not product specification
**Specification can be altered based on customer requirement



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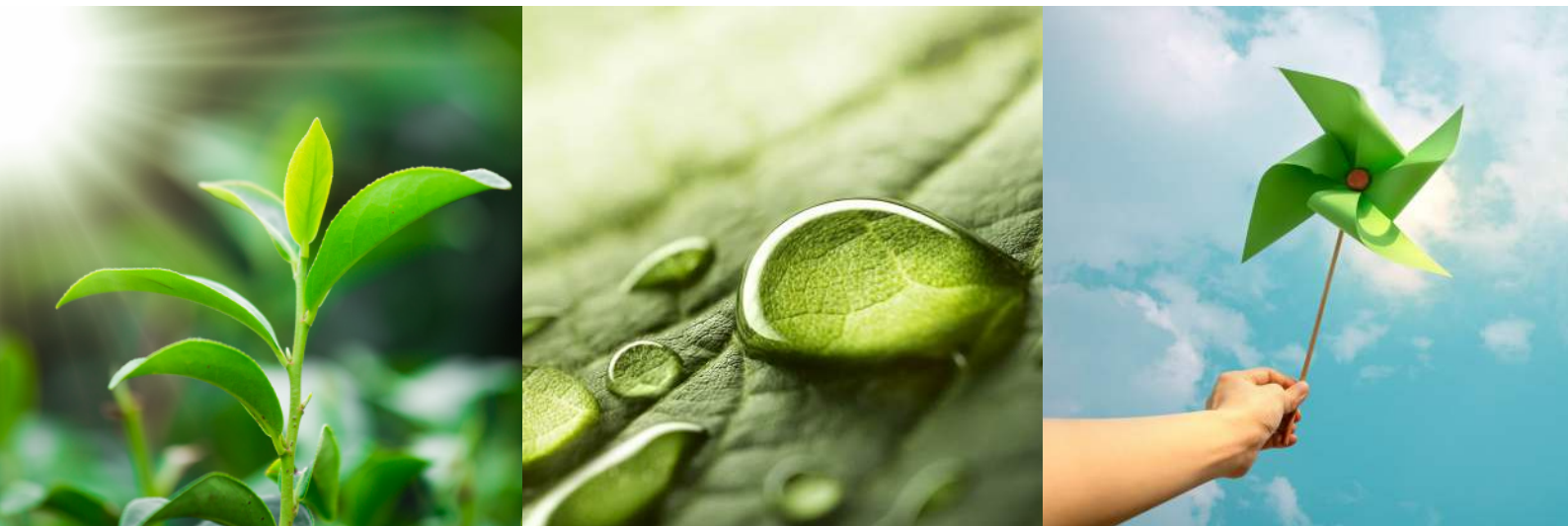
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Creating **acrylic polymer** solutions

Introducing **PALACRYL ECO** and **PALATAC ECO**

PALEUS chemists have developed the first products in our range of **high ^{14}C -traceable biobased content*** latex emulsions for both adhesives and coatings. These high-performance binders have been developed to match the performance of products in our existing range as part of our journey to sustainable manufacturing of acrylic polymers by using renewable raw materials.





Made in the UK





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Our **PALACRYL ECO & PALATAC ECO** range aims to help reduce carbon footprint of your coating or adhesive formulation to meet your sustainability goals.

PALACRYL

Product	Description	Bio ¹⁴ C content*	MFFT (°C)	Viscosity mPas	Latex Particle Size (nm)	Price (£)
PALACRYL ECO3040 	Styrene-acrylic binder for architectural coatings	36%	16	690	111	+65%**
PALACRYL ECO5010 	Pure acrylic binder for architectural coatings	38%	< 0	120	106	+70%**

PALATAC

Product	Description	Bio ¹⁴ C content*	Loop Track (N)	180° Peel (24h) (N/25mm)	Static shear (min)	Price (£)
PALATAC ECO4901M 	Permanent adhesive	30%	10.2	22.0	9.5	+37%**
PALATAC ECO4920B 	Repositionable adhesive	67%	14.5	7.0	26.2	+80%**

* ¹⁴C-traceable bio-based content according to ISO 16620

** based on equivalent product manufactured with petrochemical-derived raw materials as at April 2024

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