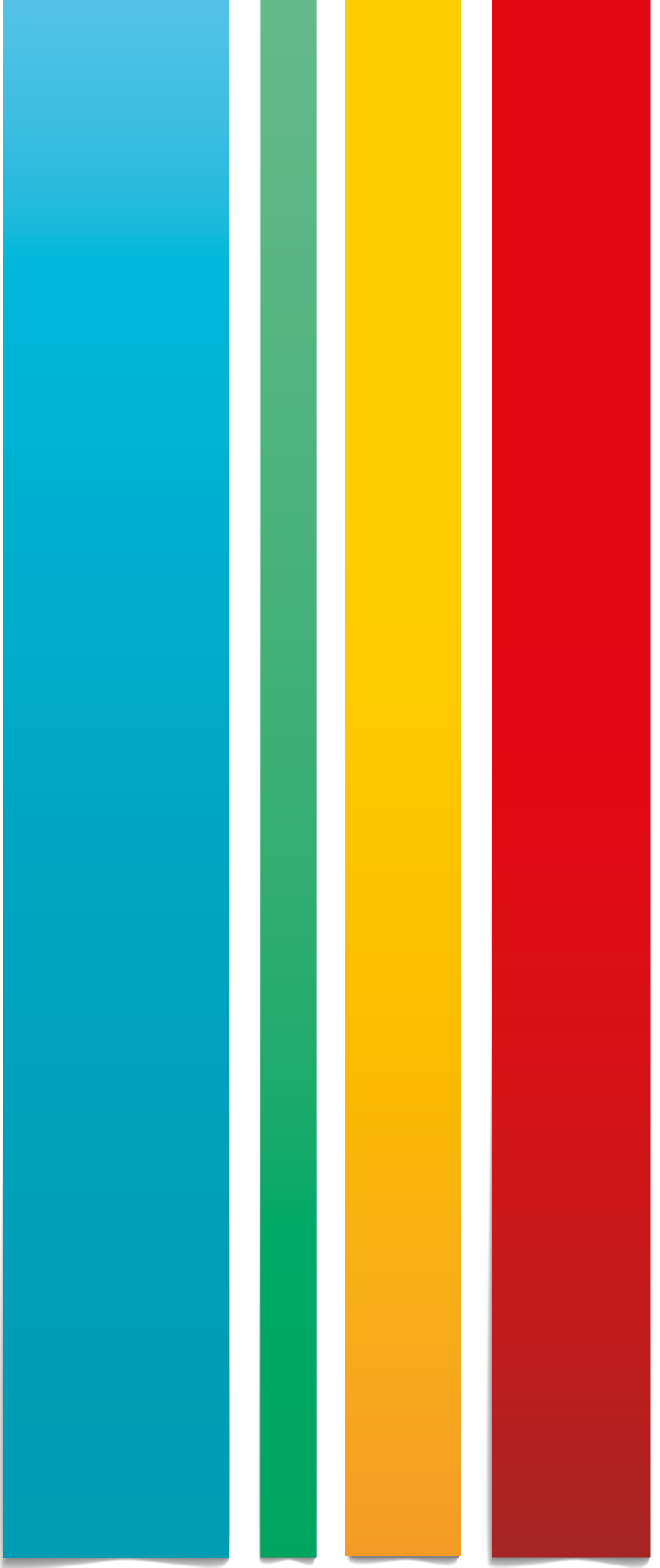


Biobased



Icap-Sira

Talent needs chemistry

The mission of Icap-Sira is to **enable creativity**, to let our **customers' ideas be transformed into real solutions**. We strive so that our formulations which are **innovative, sustainable and present** in many everyday uses guarantee **business continuity** in a changing world.



Performance and Innovation since 1945

Founded in 1945, we are a family-owned company dedicated to the production, **development and commercialization of chemical specialties for the textile and non-wovens, coatings and pressure sensitive adhesive sectors**.

We are an international, innovative and flexible partner, that meets the needs of the **global market** and our customer requirements. We offer a specialized, technological and high qualified service, and a wide portfolio of synthetic products and formulations.

Four production plants, diversified and highly automated and dedicated technical service laboratory enable us to offer an integrated and efficient service to the customer, resulting in our distinguishing and successful characteristics such as quality and quantity flexibility.

We are constantly committed to the innovation and the sustainability of our products: our Research and Development department works proactively in the development of new product ranges that combine performance with better life cycle and safety characteristics.



Icap-Sira Certifications

The company has adopted an integrated system for the Management of Quality, the Environment and the Health and Safety of Employees.



Our Plants



Parabiago

Milan

Production: Water-based and solvent-based polyurethanes, tackifiers



Casorezzo

Milan

Production: Dispersions and pigment pastes, acrylics and water-based and solvent-based PU Compounds



Barberino di Mugello

Florence

Production: Water-based polymers, solvent-based polymers, Compounds



San Mauro Torinese

Turin

Production: Water-based polymers, Compounds



Textile

	Pigment Printing	Flock	Lamination	Spray	Impregnation	Coating	Chemistry	Emulsion Type (Charge)	TG (°C)	Solid Content (%)**	Viscosity 25°C (Mpas)**	pH**	Biobased Content (% C14)*	
ACRILEM® ECO 6034	●	●	●	●	●	●	Acrylic	anionic non ionic	-34	46,5	50	4	64	Very soft binder for nonwoven and lamination. Excellent for finishing when high softness and high washing resistance are required.
ACRILEM® ECO 6028	●	●	●	●	●	●	Acrylic	anionic	-28	53	50	4	69	Very soft binder for nonwoven, coating lamination and pigment printing. Excellent color rendering.
ACRILEM® ECO 6008	●	●	●	●	●	●	Acrylic	anionic	-8	38	50	4	68	Medium soft binder. Very versatile polymer for coating, lamination impregnation. Very good washing resistance.
ACRILEM® ECO 6000		●		●	●	●	Acrylic	anionic non ionic	0	46,5	50	5	71	Medium hand binder for general applications.
ACRILEM® ECO 6118				●	●	●	Acrylic	anionic non ionic	18	50	50	4	53	Medium hard binder for general applications.
ACRILEM® ECO 6140				●	●	●	Acrylic	anionic non ionic	39	50	50	5	55	Hard binder for non woven applications where high stiffness is required.

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Coating

	Wood	Decorative	Construction	Sealant	Ammonia Free	Low Voc (<5 g/l)	Chemistry	MMFT (°C)	TG (°C)	Solid Content (%)**	Viscosity 25°C (Mpas)**	pH**	Biobased Content (% C14)*	
ACRILEM® ECO AS157			●		●	●	Styrene acrylic	0	-12	55	350	7,5	15	Soft, thermoplastic, emulsion copolymer perfectly compatible with cement to formulate cementitious flexible membranes with excellent adhesion, good flexibility and high tensile strenght.
ACRILEM® ECO ST186		●	●	●		●	Styrene acrylic	0	0	50	4500	8,5	45	Semi-elastomeric emulsion for textured coatings, exterior paints, liquid membranes and sealants. Plasticizer-free, good flexibility and resistance to micro cracks caused by hydraulic stress, high adhesion on mineral and bituminous substrates.
ACRILEM® ECO IC99		●				●	Acrylic	6	5	46	3500	8,5	25	Emulsion for exterior walls and textured paints. Excellent outdoor durability, colour retention, chalk and alkali resistance.
ACRILEM® ECO INT700	●					●	Acrylic	45	47	40	1000	7	50	Fine-sized emulsion with free hydroxy groups to formulate one and two components clear and pigments primers and top coats for wood furniture with very good chemical resistance.
ACRILEM® ECO INT652	●					●	Acrylic	20	core shell	40	500	8,5	33	Self-crossinking emulsion to formulate fast drying, low VOC clear and pigmented coating for wood furniture with good chemical resistance.

PSA

	Paper Labels	Plastic Labels	Tapes	Graphic Art	Protectives	Textile / Foams	Adhesion	Cohesion	Tack	pH**	Viscosity 25°C (Mpas)**	Solid Content (%)**	Biobased Content (% C14)*	
ACRILEM® ECO 5007	●	●	●	●			●●	●●●●	●●	5	500	60	58	Base polymer suitable for the formulation of products for technical tapes and labels. Good balance of adhesion and cohesion. Suitable for PVC
ACRILEM® ECO 6400	●	●	●				●●●	●●	●●	5,5	1000	65	50	High solid vinyl-acrylic base polymer. Suitable for compounding with tackifier resins for the production of extra-permanent labels with high adhesion and high resistance to ageing.
ACRILEM® ECO 4400	●			●			●●	●●	●●	9	500	50	54	General purpose base polymers. Product of choice for repositionable stickers and labels. High resistance to plasticizers.
ACRILEM® ECO 900G	●					●	●●●	●●●●	●●●	7	400	55	58	Ready to use general purpose extrapermanent for the production of paper labels. High viscosity version available for textile.
ACRILEM® ECO 200G	●	●					●	●	●	8,5	400	51	62	Ready to use removable. Plasticizers free, suitable for the production of removable labels for any surface.

*Calculated from raw materials C14 certifiable | ** Typical value



Polyurethanes

	Textile						Coating	Biobased Content (% C14)*	Solid Content (%)**	Viscosity 25°C (Mpas)**	pH**	Chemistry	
	Impregnation	Coating	Flock	Lamination	Plastic Coating	Synthetic Leather	Wood						
IDROCAP® ECO 101	●	●		●				55	35	300	8	Polyester	Soft PU with raw materials from renewable resources.
IDROCAP® ECO 105	●	●		●				50	35	300	8	Polyester	Medium PU with raw materials from renewable resources.
IDROCAP® ECO 109	●	●						46	35	300	8	Polyester	Hard PU with raw materials from renewable resources.
IDROCAP® ECO 305	●	●		●	●			60	30	500	8	Polyester	Medium PU with raw materials from renewable resources. High light fastness and washing resistance
IDROCAP® ECO 307	●	●			●			68	35	500	8	Polyester	Medium-hard PU with raw materials from renewable resources. High light fastness and washing resistance
IDROCAP® ECO 505	●	●		●				68	35	300	8	Polyether	Medium hard PU with high resistance to hydrolysis.
IDROCAP® ECO 509	●	●						50	35	300	8	Polyether	Hard PU with high resistance to hydrolysis and light fastness.
CLEANCAP® ECO 701		●	●	●		●		69	55	800	8	Polyether	Soft PU dispersion with high solid content. Suitable for coating and mechanical foaming. Cosolvent free
IDROCAP ECO® 438							●	27	30	300	8	Polyester	Biobased PU dispersion for general use in wood coatings.
ACRYTHANE® IPN ECO210							●	19	35	500	8	PU/Acrylic Hybrid	Urethane-acrylic co-polymer dispersion for high water resistant coatings for parquet flooring applications.

Modified Starch

GREENCAP® STA01	●	●					●	51	25	1500	7	Modified starch	Modified starches, water-based dispersion for finishing and impregnation. Hard hand. Biodegradable.
GREENCAP® STA02	●	●					●	43	27	1500	7	Modified starch	Modified starches, water-based dispersion for finishing and impregnation. Medium-hard hand. Biodegradable.

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