



ROWA LACK
SPECIAL LACQUER SYSTEMS AND TOP COATS



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ROWA LACK - THE COMPANY

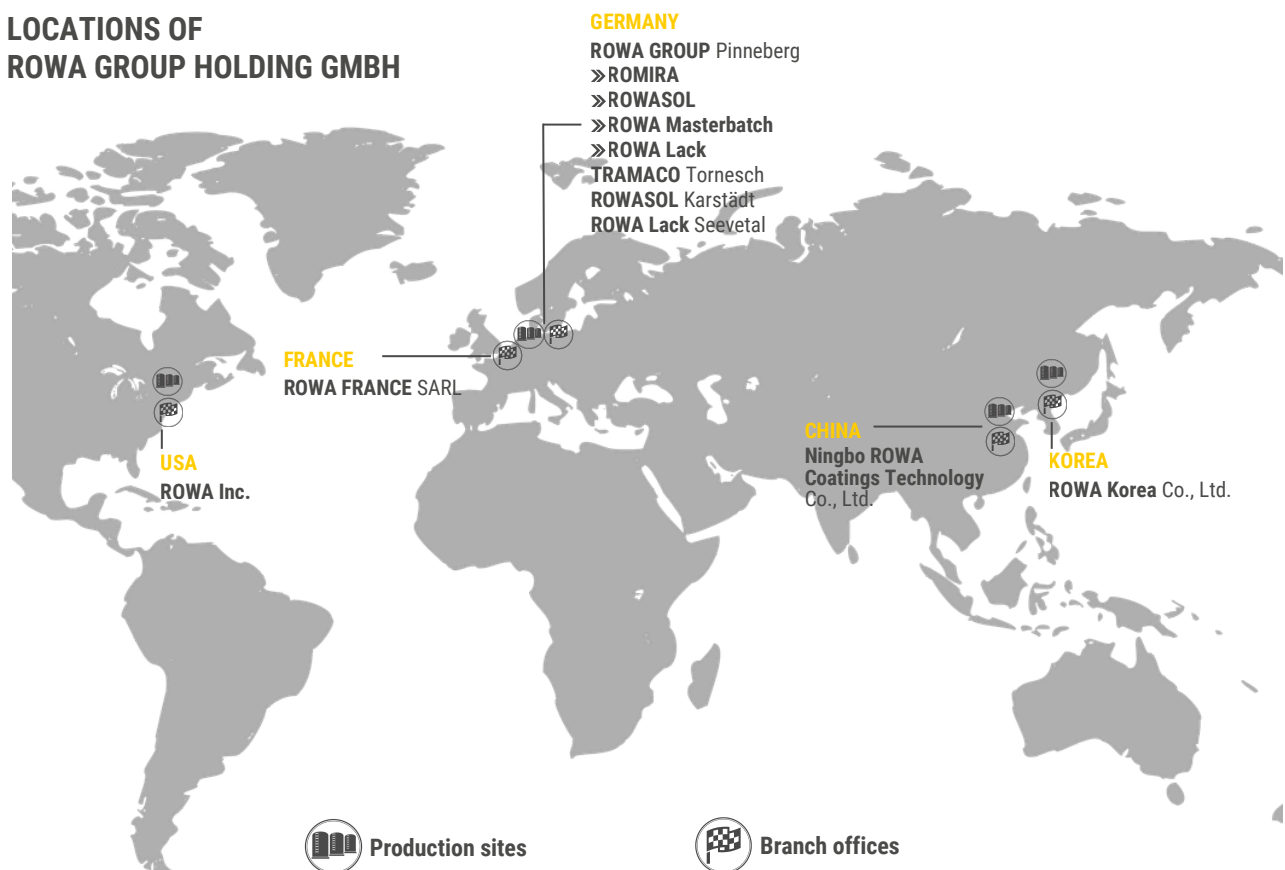
ROWA GmbH was established in 1958 in Seevetal near Hamburg as a rubber processing company. In 1969, the company started to produce high-quality lacquer systems, matting concentrates and additive systems for the coatings and plastics industry.

Since 2010 ROWA Lack is a member of the ROWA GROUP. With it's long established experience, technical competence, modern product design and customer-oriented services, ROWA Lack has become one of the market leaders for the surface finishing of coated fabrics.

Together with it's customers, ROWA Lack develops tailor-made solutions - because customer satisfaction is our number one priority. Whether developing new, innovative lacquer systems or optimizing application processes, ROWA Lack offers flexibility and personal consultation.

Quality assurance is a fundamental principle at ROWA Lack. The company is certified according to DIN EN ISO 9001, DIN EN ISO 14001, and DIN EN ISO 5001.

LOCATIONS OF ROWA GROUP HOLDING GMBH





ROWA LACK - PRODUCT LINE

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ROWA Lack is a leader in lacquer systems for the surface treatment of synthetic films and foils. The primary applications are high-quality lacquer systems for coating and finishing PVC and PU-coated fabrics and PVC and TPO foils.

The product portfolio also includes numerous additives tailored to the developed systems.

Most products are available in solvent-based or water-based versions. Another product line of ROWA Lack GmbH is highly concentrated pigment preparations.

<p>ROWAKRYL®</p> <p>High-quality 1K and 2K acrylic lacquers</p>	<p>ROWAFLO®</p> <p>Fluoropolymer lacquer systems for textile constructions</p>	<p>ROWATHAL®</p> <p>Aromatic and aliphatic polyurethane lacquers, 1K and 2K systems</p>
<p>ROWALID® TI</p> <p>Pigmented lacquers and printing inks mainly for effect lacquering of coated fabrics</p>	<p>ROWANYL®</p> <p>Topcoats for PVC artificial leather, especially recommended for the transfer coating process</p>	<p>ROWATHAN®</p> <p>Coating systems for fabrics and films, based on acrylates and polyurethanes</p>
<p>ROWADEKOR®</p> <p>High-quality 2K lacquer systems for furniture films and decor foils</p>	<p>ROWALID® Pigment Preparations</p> <p>Highly concentrated monopigment preparations, finely dispersed in different carrier systems</p>	<p>ROWASET</p> <p>Crosslinkers, slip additives, lubricants, surface modifiers, wetting and leveling agents, UV absorbers, defoamers, thickeners and stabilizers</p>
<p>ROWABASE</p> <p>Toll manufacturing</p>	<p>ROWASIL</p> <p>Organic and inorganic matting agent concentrates, finely dispersed, highly efficient</p>	<p>ROWEX</p> <p>Universal, transparent printing ink carriers; ideal combination partner for ROWALID® Pigment Preparations</p>

SVHC-FREE LACQUER SYSTEMS

As a result of continuous optimization and further development, the products shown in the table are exclusively SVHC-free lacquer systems.



ROWALACK - APPLICATIONS

PVC-COATED TARPAULINS

Truck covers, awnings, materials for halls and tents – all these products are described as PVC-coated tarpaulins. In most cases, they all have the same base material. Since these materials are primarily used outdoors, the applied lacquer systems have to be strongly resistant to weathering and UV radiation. The lacquer system should minimize the migration of plasticizers, while also making the coated surface soil-resistant and easy to clean. In most cases, the lacquer systems for these applications have to be suitable for welding. Normally, high-quality acrylic lacquers from the ROWAKRYL®-series are used for these applications.

Product name	Solids %	Solvents included	Recommended applications / properties
ROWAKRYL® G-34643	13,4	MEK, THF, PMA, IPA	Truck covers, halls and tents
ROWAKRYL® G-35089	13,6	MEK, PMA, Acetone	Truck covers, halls and tents, awnings
ROWAKRYL® G-35326W	21,5	Water, EDG, IPA	Truck covers, halls and tents, awnings, water-borne
ROWAFLO® G-75372	16,0	MEK, PMA, Acetone	Halls and tents, low soling, easy cleanable
ROWALID® TIM-95221	13,3	MEK, PMA, Acetone	Truck covers, awnings, effect lacquering, silver, weather resistant
ROWALID® TIM-95371W	22,8	Water, EDG, IPA	Truck covers, awnings, effect lacquering, silver, weather resistant, waterbased

PRINT MEDIA

ROWAKRYL®-lacquers developed specifically for print media also ensure excellent adhesion of the printing ink to the coated substrate, enabling razor-sharp print images.

Product name	Solids %	Solvents included	Recommended applications / properties
ROWAKRYL® G-35376	18,6	MEK, PMA, Acetone	Backlit, frontlit, side-curtain, glossy (matt version available)
ROWAKRYL® G-35150W	21,5	Water, EDG	Backlit, frontlit, waterbased, glossy (matt version available)



ROWA LACK - APPLICATIONS

TEXTILE CONSTRUCTIONS

PVC-coated fabrics for textile architecture applications need to meet special requirements. Due to long exposure periods, the lacquer systems provide an extraordinary weather resistance as well as long-term UV-protection for the PVC membrane. Furthermore, the lacquered surfaces show soiling resistance and are very easy to clean. In order to maintain the mechanical properties for a long period of time, a very good plasticizer migration barrier is necessary. With the combination of ROWAFLON®-UV protection primers and ROWAFLON®-topcoats, ROWA Lack offers a tailor-made solution for this area of application.

Product name	Solids %	Solvents included	Recommended applications / properties
ROWAFLON® G-75081W	19,5	Water, EDG	Halls, tents, waterbased
ROWAFLON® G-75372	16,0	MEK, PMA, Acetone, Cyclohexanone	Halls, tents, topcoat for UV protection primer
ROWAFLON® G-75368	16,3	MEK, PMA, Cyclohexanone	Textile constructions, UV protection primer, TiO2 nano absorber
ROWAFLON® G-75369	16,3	MEK, PMA, Cyclohexanone	Textile constructions, UV protection primer, ZnO nano absorber
ROWAFLON® G-75370	16,3	MEK, PMA, Cyclohexanone	Textile constructions, UV protection primer, ZnO nano absorber, transparent
ROWAFLON® G-75281	16,2	MEK, PMA	Textile constructions, topcoat for UV protection primer
ROWAFLON® G-75428	16,8	MEK, PMA, Cyclohexanone	Textile constructions, topcoat for UV protection primer

FURNITURE AND DECORATION FOILS

The rigid or semi-rigid foils which are used in this field are made of PVC or TPO. Furniture foils can basically be divided into materials for 2D and 3D applications. Their basic requirements are comparable: They must be extremely resistant to chemicals as well as highly resistant to scratches and abrasion. The requested visual and tactile characteristics range from high-gloss to very dull finishes with hard, smooth and even soft-feeling surfaces. Coating systems for 3D applications must also be sufficiently elastic to withstand subsequent processing stages. For these applications ROWA Lack recommends the high-quality 2K systems of its ROWADEKOR®-series.

Product name	Solids %	Solvents included	Recommended applications / properties
ROWADEKOR® G-114137	33,0	MEK, BAC	PVC furniture foils, 2D, high-gloss
ROWADEKOR® M-115270	28,0	MEK, PMA, EAC	PVC furniture foils, 3D, semi-matt, suitable for deep drawing
ROWADEKOR® M-114645	36,0	MEK, PMA	PVC furniture foils, 2D, matt, scratch-resistant
ROWADEKOR® M-114245	31,8	MEK, PMA, Acetone, BAC	PVC furniture foils, 2D, matt, scratch-resistant
ROWASET 61117	90,0	BAC, Solvent Naphta	Aliphatic isocyanat, crosslinker



ROWA LACK - APPLICATIONS

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SPECIALTIES

ROWA Lack also offers solutions for niche markets. Taking into account customer requirements and specific material characteristics, tailor made developments are in use. These lacquer systems show properties which cannot be fully covered by our lacquers for our other main target markets.

Examples include lacquer systems for swimming pool liners as well as for book covers and PVC roofing membranes. Lacquers for biogas membranes can also be classified in this area. Another popular specialty is antistatic lacquers for tarpaulins, which ensure low surface resistance. The latest developments include lacquer systems for PVC and PU flooring applications. These systems offer high scratch, abrasion, and chemical resistance. Products from the ROWATHAN®-range are used in conveyor belt coatings for the front and back sides—with antistatic properties if required.

Product name	Solids %	Solvents included	Recommended applications / properties
ROWAKRYL® G-34316W	27,0	EDG, Water	PVC roofing membranes, waterbased
ROWAKRYL® G-34747W	20,4	Wasser, EDG, IPA	Tarpaulins, anti-static
ROWAKRYL® G-34944W	30,0	Water, EDG	PVC Book cover, waterbased, glossy (matt version available)
ROWAKRYL® G-34870W	19,5	Water, IPA	PVC tablecloth, waterbased, glossy (matt version available)
ROWAKRYL® G-35412	14,6	MEK, PMA, Acetone	PVC pool liner, foils for swimming pools, glossy (matt version available)
ROWAFLOL® G-75409	16,5	MEK, PMA, Cyclohexanone	High-grade PVC pool liner, foils for swimming pools, glossy
ROWALID® TIM-95210	12,5	MEK, PMA	Textile architecture, low-e properties
ROWALID® TIK-95384	17,4	MEK, PMA	Antistatic, black
ROWATHAN® 14884	23,0	MEK, DMSO	Coating for conveyor belts
ROWATHAN® 15470	21,7	MEK, Acetone	Backside coating for conveyor belts



ROWA LACK - APPLICATIONS

AUTOMOTIVE

This area of applications includes PVC, ABS and TPO foils for vehicle dashboards and door-panels, PVC and PU-coated synthetic leathers for seat backs, gearshift covers and trunk covers. The requirements in this area vary greatly. They range from strong abrasion resistance, good chemical resistance and flexibility to good thermoforming properties. The surfaces usually have to be matt finished and mar resistant and should have special haptic characteristics (soft-touch). In the automotive sector, most lacquer systems used are aqueous with low solvent content or solvent-free. The high-quality waterborne 2K systems in the ROWATHAL[®] and ROWAFLON[®] series are an excellent choice for this area of application.

Product name	Solids %	Solvents included	Recommended applications / properties
ROWAKRYL [®] M-34701W	28,0	Water, EDG	PVC trunk cover / matt, anti-blocking
ROWAKRYL [®] M-34811W	20,0	Water, EDG	Automotive foils and synthetic leather / matt, primer
ROWAKRYL [®] M-34818W	25,0	Water, EDG	Automotive foils and synthetic leather / matt, topcoat
ROWATHAL [®] M-24901W	21,0	Water	Automotive foils and synthetic leather / matt, excellent mar resistance, anti squeak
ROWAFLON [®] M-74881W	21,0	Water	Automotive foils and synthetic leather / matt, good mar resistance, anti squeak, very good resistance against heat yellowing

ROWA LACK - APPLICATIONS

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SYNTHETIC LEATHER

The focus of this area is on fashion applications such as synthetic leather for bags, apparel and shoes. Here the visual and tactile characteristics are playing an important role. Synthetic leather upholstery for furniture, for public transportation and in the medical field constitutes additional areas of application. The users expect a strong abrasion resistance and a good chemical resistance (anti-graffiti). ROWA Lack offers lacquers for transfer coating and for direct coating processes. The products in the ROWAKRYL® and ROWATHAL® series are especially recommended for these applications.

Product name	Solids %	Solvents included	Recommended applications / properties
ROWATHAL® M-24862W	22,0	Water	Synthetic leather, matt, excellent mar resistance, waterbased
ROWATHAL® M-25100W	16,8	Water	Synthetic leather, flexible, matt, waterbased, primer for anti-graffiti topcoat
ROWAKRYL® M-35200W	45,8	Water, EDG, IPA	Synthetic leather, semi-matt, waterbased, anti-graffiti topcoat
ROWAKRYL® M-35252W	51,0	Water, EDG, IPA	Synthetic leather, matt, waterbased, anti-graffiti topcoat
ROWATHAL® M-25078	17,6	MEK, IPA, PMA	PVC synthetic leather / matt, soft touch
ROWAKRYL® G-34593	14,5	MEK, PMA	PVC synthetic leather / glossy, good mar resistance (matt version available)
ROWAKRYL® M-35366	24,0	MEK, PMA	PVC synthetic leather / matt, good mar resistance
ROWANYL® 104930	28,0	MEK, PMA, BAC	PVC synthetic leather, wrinkle-finish, glossy, application on release paper (transfer coating)
ROWANYL® 105258	20,4	MEK, PMA, BAC	PVC synthetic leather, glossy, application on release paper (transfer coating)
ROWANYL® 105004W	26,0	Water, EDG, IPA	PVC synthetic leather, glossy, application on release paper (transfer coating), waterbased



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