



ROWA LACK

ROWAFLON®

FLUOROPOLYMER LACQUER SYSTEMS FOR TEXTILE CONSTRUCTION



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ROWA LACK - THE COMPANY & ITS PRODUCT LINE

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>ROWAFLON®</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.



ROWAFLON® – AREAS OF APPLICATION

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ROWA Lack's ROWAFLON® product line comprises a range of premium fluoropolymer lacquer systems for membranes and fabrics used in the following areas of application:

- textile architecture
- roofing
- solar protection
- halls and tents

SINGLE LAYER SYSTEMS FOR HALLS AND TENTS

In this field of application, lacquered PVC-coated fabrics that are suitable for outdoor use are mostly used. Due to the long exposure times, the lacquer systems used must have an exceptional property profile. ROWAFLON®-lacquer systems have proven themselves in everyday use thanks to their properties, which are tailored to the intended application.

In particular, their good weather and UV resistance are undisputed. Further advantages of ROWAFLON®-protected flexible membranes include their low soiling tendency and their excellent cleaning behavior.

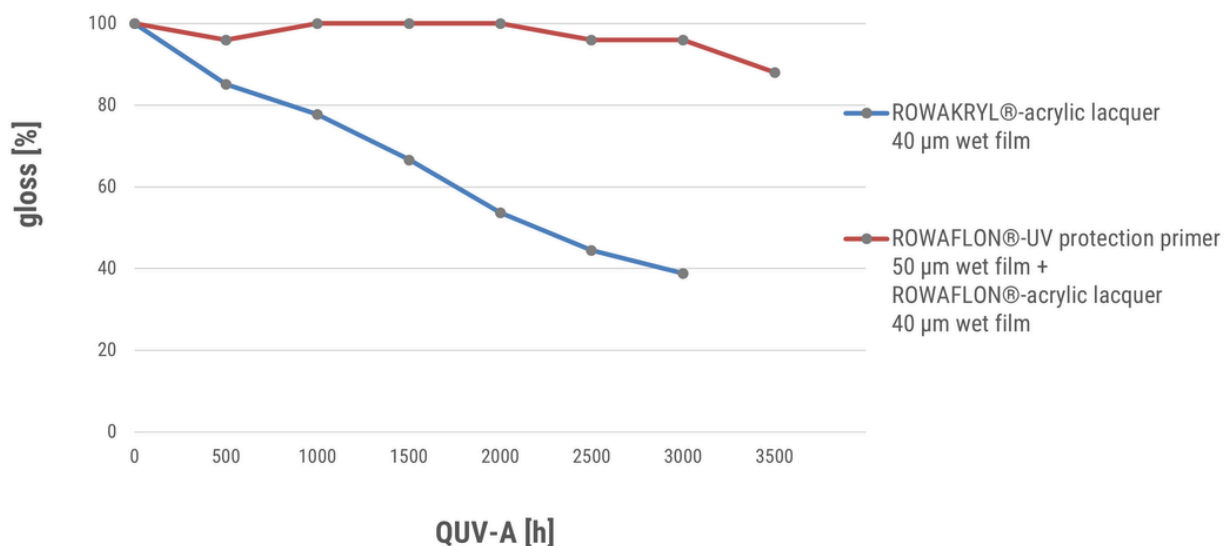
Together with the plasticizer migration barrier effect, these positive characteristics ensure that ROWAFLON®-lacquer systems are the first choice for textile construction.

ROWAFLON® – PRODUCT OVERVIEW

Product name	1-Layer	2-Layer	Recommended applications / properties
ROWAFLON® G-75081W	x		Halls, tents, waterborne
ROWAFLON® G-75372	x	x	Halls, tents, topcoat for UV protection primer
ROWAFLON® G-75368		x	Textile constructions, UV protection primer, TiO ₂ nano absorber
ROWAFLON® G-75369		x	Textile constructions, UV protection primer, ZnO nano absorber
ROWAFLON® G-75370		x	Textile constructions, UV protection primer, ZnO nano absorber, transparent
ROWAFLON® G-75281		x	Textile constructions, topcoat for UV protection primer
ROWAFLON® G-75428	x	x	Halls, tents, textile constructions, topcoat for UV protection primer

Comparison of ROWAKRYL® vs. ROWAFLON® UV protection system

QUV-A / 340 nm / 16 h irradiation @ 70 °C / 8 h condensation @ 50 °C





ROWAFLON® – AREAS OF APPLICATION

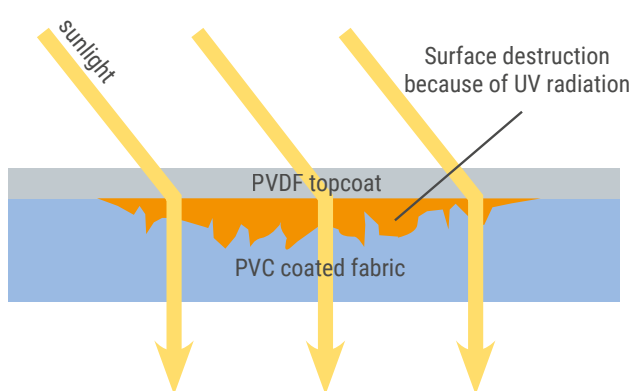
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2-LAYER SYSTEMS FOR TEXTILE CONSTRUCTION

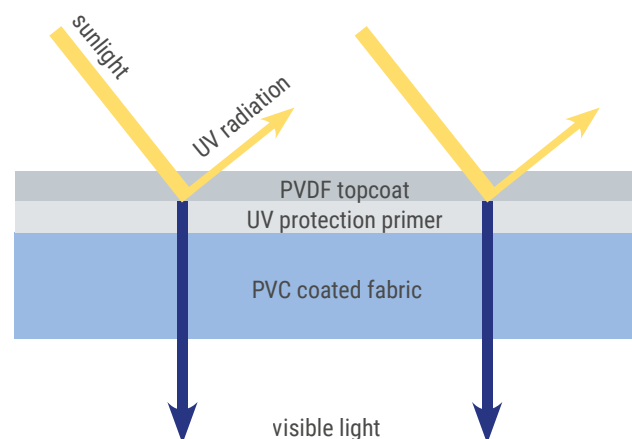
Textile construction is becoming increasingly popular worldwide as a component of contemporary architecture. The ROWAFLON®-lacquer systems are therefore undergoing continuous development. The development team is focusing on improving UV protection properties, which will significantly extend the service life of the coated tarpaulin fabric.

Intense UV radiation causes damage to the PVC boundary layer of the tarpaulin fabric. This can impair the adhesion between the final coating and the PVC surface. This effect can in turn have a negative impact on the performance characteristics of the membranes, even though the lacquer film is 100% intact.

The new UV protection primers reflect or absorb the incident UV radiation, thus protecting the sensitive PVC surface. Due to the high chemical resistance of the light stabilizers used, the protective effect remains constant for years. The new systems can filter out more than 80% of the UV component of sunlight. However, transparency in the visible wavelength range is still over 70%.



Influence of UV irradiation on the boundary layer between the lacquer and the PVC surface with a standard ROWAFLON®-lacquer system.



Protective effect of ROWAFLON®-UV protection primers. The sensitive PVC surface is reliably protected against UV irradiation.



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