

ROWAFLON®
Fluoropolymer Lacquer Systems for Textile Construction



ROWALACK 



ROWAFLON® – AREAS OF APPLICATION

ROWAFLON®

FLUOROPOLYMER LACQUER SYSTEMS

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

Owing to the continuous optimisation and development work by ROWA Lack, many of these products are available not only as the established variants, but also as SVHC-free versions.

SINGLE LAYER SYSTEMS FOR HALLS AND TENTS

These systems are PVC-coated fabrics used to make premium tarpaulins for outdoor purposes. Because these tarpaulins are in use for long periods, the lacquer systems used must have an extraordinary profile of properties. ROWAFLON® PVDF lacquer systems provide exactly this. Developed to cater to this specific field, they have proven their worth time and time again in everyday use.

Their effective outdoor durability and UV resistance are beyond dispute. Further advantages of ROWAFLON®-protected flexible membranes include their low susceptibility to soiling and their excellent cleaning characteristics.

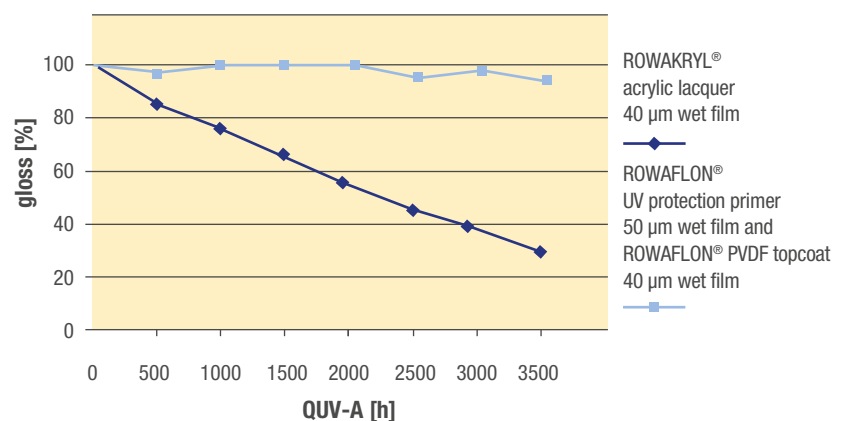
Together with the plasticiser barrier effect, these positive characteristics ensure that ROWAFLON® lacquer systems are a first choice for textile construction.

PRODUCT OVERVIEW

Product designation	1-layer system	2-layer system	SVHC free	Recommended applications
ROWAFLON® G-75081W	X		X	Halls, tents water-borne
ROWAFLON® G-74632	X		X	Halls, tents
ROWAFLON® G-75277	X		X	Halls, tents
ROWAFLON® G-74588	X	X		Halls, tents, textile constructions, topcoat for UV protection primer
ROWAFLON® G-71711	X	X	X	Halls, tents, textile constructions, topcoat for UV protection primer SVHC-free version of G-74588
ROWAFLON® G-75130		X		Textile constructions, topcoat for UV protection primer
ROWAFLON® G-75281		X	X	Textile constructions, topcoat for UV protection primer
ROWAFLON® G-75024		X	X	Textile constructions, topcoat for UV protection primer, TiO2 nano absorber
ROWAFLON® G-75271		X	X	Textile constructions, topcoat for UV protection primer, ZnO nano absorber
ROWAFLON® G-75308		X	X	Textile constructions, topcoat for UV protection primer, ZnO nano absorber, transparent

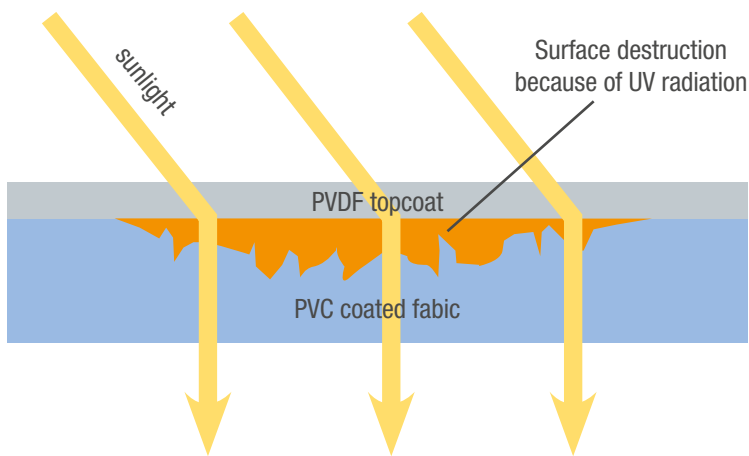
COMPARISON OF ROWAKRYL® VS. ROWAFLON® UV PROTECTION SYSTEM

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

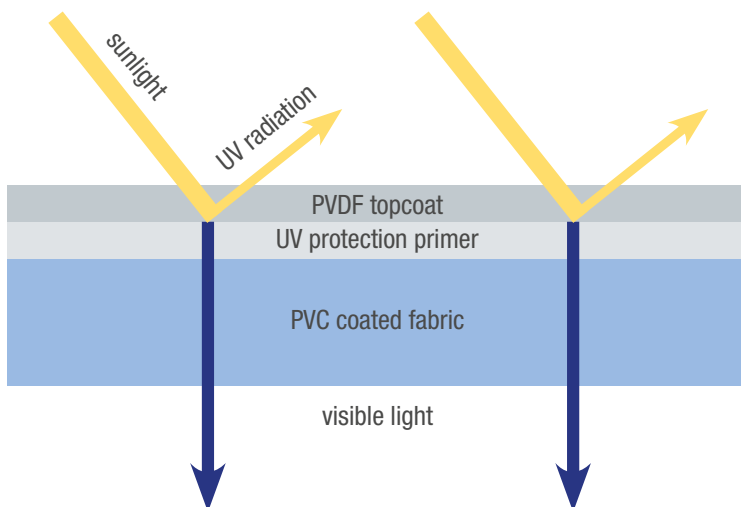




ROWAFLON® – AREAS OF APPLICATION



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.

2-LAYER SYSTEMS FOR TEXTILE CONSTRUCTION

Textile constructions are becoming increasingly popular worldwide as a standard feature in contemporary architecture. ROWA Lack has now further developed the ROWAFLON® lacquer systems product group. The development team's aim was to improve UV protection properties, thus extending the useful life of coated tarpaulin fabric substantially.

Exposure to intense UV irradiation will normally cause damage to the PVC boundary layer in tarpaulin fabric. This can impair the bond between the lacquer and the PVC surface, which, in turn, can have an adverse effect on the performance of the membranes, even if the lacquer film remains 100% intact.

The new UV protective primers, however, reflect or absorb any UV irradiation, thus protecting the sensitive PVC surface. Due to the high chemical resistance of the light protection agents used, their protective effect remains more or less constant over several years. The new systems can filter out more than 80% of the UV in sunlight, while transparency within the visible wavelength range is still above 70%.

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ROWA LACK – PRODUCT GROUPS

ROWA LACK – THE COMPANY

ROWA Lack GmbH is a leader in the area of lacquer systems for the surface treatment of synthetic films and foils. Coating industry clients worldwide are supplied from our Pinneberg and Seevetal locations in Germany, Yesan (South Korea) as well as from Ningbo (China).

The high quality aqueous and solvent-based lacquer systems are used for PVC tarpaulin fabrics, print media, textile constructions, car interiors, furniture and decorative films, and synthetic leather.

The ROWA Lack brand stands for technical expertise, modern product design and customer-friendly service. Developing tailored solutions for our clients is a tradition at ROWA Lack. We place great emphasis on developing new products, finding alternative raw materials and continually and sustainably optimising our processes, as well as on modern technology, motivated employees and economical environmental protection.

To ensure that our customers can rely on ROWA quality in the future, our comprehensive management systems meet the requirements of DIN ISO 9001, ISO 14001 and ISO 50001, and are an integral part of our corporate philosophy.

ROWAKRYL®

High-quality 1K and 2K acrylic lacquers

ROWAFLO^N®

Fluoropolymer lacquer systems for textile constructions

ROWATHAL®

Aromatic and aliphatic polyurethane lacquers, 1K and 2K systems

ROWALID® TI

Pigmented lacquers and printing inks mainly for effect lacquering of coated fabrics

ROWANYL®

Topcoats for PVC artificial leather, especially recommended for the transfer coating process

ROWATHAN®

Coating systems for fabrics and films, based on acrylates and polyurethanes

ROWADEKOR®

High-quality curable lacquer systems for furniture films and decor foils

ROWALID®

Pigment Preparations
Highly concentrated mon pigment preparations, finely dispersed in different carrier systems

ROWASET

Crosslinkers, slip additives, lubricants, surface modifiers, wetting and leveling agents, UV absorbers, defoamers, thickeners and stabilizers

ROWABASE

Toll manufacturing

ROWASIL

Organic and inorganic matting agent concentrates, finely dispersed, highly efficient

ROWEX

Universal, transparent printing ink carriers; ideal combination partner for ROWALID Pigment Preparations