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PRESS RELEASE

## Worldwide warranty concept

High protection for **RENOLIT EXOFOL** customers as a result of extended warranties

Worms, July 2, 2019 – Long warranty periods are a symbol of high product quality, reliability and proven durability. For decades, the **RENOLIT** Group has been known for its uncompromising quality policy, which enables them to offer customers a high level of product performance and safety, and therefore long-term warranties. It is now more than 20 years since the introduction of **RENOLIT EXOFOL FX**.

The length of a warranty period depends on two factors: the quality grade of **RENOLIT EXOFOL** product chosen and the climatic conditions in which they are used. "In order to make this critical risk factor calculable, we have divided the world map into different country groups," explains Stefan Friedrich, head of the **RENOLIT EXTERIOR** business unit.

### Tough tests

The three film qualities **RENOLIT EXOFOL MX**, **RENOLIT EXOFOL PX** and **RENOLIT EXOFOL FX** are designed for use in different environments and have been tested over many years both in the laboratory and under natural climatic conditions. The products are tested in accordance with the RAL-GZ 716 test standard issued by the Gütegemeinschaft Kunststoff-Fensterprofilssysteme (Quality Assurance for Plastic Window Profile Systems), which stipulates a product must successfully pass artificial weathering to class M20 requirements of 20 gigajoules per square metre of energy absorption without damage (exposure of around 10,000 hours using Xenon irradiation). But **RENOLIT** does even more in the pursuit of performance: "We always test our products to the point of destruction, so that we know their actual

**RENOLIT SE**  
Horchheimer Straße 50  
67547 Worms/Germany  
[www.renolit.com](http://www.renolit.com)

#### Your contact in Germany:

Harm Schumacher  
Redaktion für  
Wirtschaft + Technik  
Phone: + 49.9184.80 85 97  
Fax: + 49.9184.80 85 93  
[harm.schumacher@rewitech.de](mailto:harm.schumacher@rewitech.de)

#### Your contact in UK:

**RENOLIT Cramlington Ltd**  
Station Road, Cramlington  
Northumberland, NE23 8AQ  
Phone: + 44.1670.718222  
Fax: + 44.1670.590096  
[marketing.rcl@renolit.com](mailto:marketing.rcl@renolit.com)



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performance," says Dr. Dirk Heukelbach, Head of R&D at **RENOLIT EXTERIOR** "which is considerably higher than the standard requires." Even the classic product **RENOLIT EXOFOL MX** can withstand up to 30 gigajoules per square meter; up to 40 gigajoules for **RENOLIT EXOFOL PX** and as much as 50 gigajoules for **RENOLIT EXOFOL FX**. This means that the premium product would belong, theoretically speaking, to an M50 weathering class, if it existed.

Based on these test results, in 2018 the company revised its warranty periods. As a result, **RENOLIT EXOFOL PX** is extended up to ten years, twice as long as before, in Morocco, Algeria, Turkey and its neighbouring countries, and in China and South America. The warranty period for **RENOLIT EXOFOL FX** is now uniform worldwide up to 20 years.

### **Complex principles**

**RENOLIT** has put its more than 35 years of experience to work when developing these high-performance films. The base film of **RENOLIT EXOFOL PX** consists of raw materials with a plasticizer-free PVC formulation. A specially developed polyacrylate transparent top layer protects both the printing ink and the base film. Highly efficient UV absorbers work more efficiently because they are not affected by plasticizer migration.

The premium product **RENOLIT EXOFOL FX** is manufactured on a base acrylic film and is additionally enhanced with a coating of polyvinylidene fluoride (PVDF). Its low surface tension protects the film from dirt and chemicals and makes it insensitive to environmental influences or wilful attacks such as graffiti.

In addition, all **RENOLIT EXOFOL** films benefit from Solar Shield Technology (SST). IR-reflecting colour pigments reduce the temperature differences between the outer and inner profile surfaces. In this way, the profiles retain their shape and windows and doors retain their exact fit.



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Images and captions



Image „Outdoor Weathering **RENOLIT EXOFOL**“  
**RENOLIT EXOFOL** films are tested outdoors in three different climate zones worldwide for decades to determine their performance.

Gewährleistung\*

Ländergruppe	1	2	3	4	5	6
RENOLIT EXOFOL MX	10	10	7,5	5	-	-
RENOLIT EXOFOL FX	15	15	10	10	10	10
RENOLIT EXOFOL EX	20	20	20	20	20	20

\*bis zu (in Jahren)

Image „**RENOLIT EXOFOL** Warranty Country Groups“

**The company**

The **RENOLIT Group** is a globally-active specialist for high-quality plastic films, sheets and other plastic products. With more than thirty locations in over twenty countries, and with annual sales of EUR 1,031 billion in fiscal year 2018, the company with headquarters in Worms – nearly fifty km northwest of Heidelberg – is one of the world’s leading plastics product manufacturers. Over 4,700 employees continue to further develop the knowledge and expertise gained from over seventy years of business.

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