

Performance warranty

The situation / orientation of the building, the width of the roof overhang and the type of installation determine the weather exposure in the Secura-Check card. These issues have an essential influence on the amount of stress the wooden parts are exposed to and therefore the performance of the coating system applied.

Secura-Check

0

without direct effects of the weather

1

exposed to weak weather effects

2

exposed to moderate weather effects

3

exposed to strong weather effects

4

exposed to very strong weather effects

Groups of loads and effects of the weather for wooden windows and external wooden doors

(windward side)

window assembly method	eaves depth	building location		
		ground floor 1st floor to 3rd floor	detached house either on a slope or above 3 rd floor	mountainous regions or sea coast
set back	big	0	0	1
in line with facade		1	1	2
set back	medium	1	2	3
in line with facade		2	3	4
set back	small	2	3	4
in line with facade		3	3	4

First, an extent of exposure to the weather effects should be determined as well as a scope of loads to which wooden building components are exposed after their installation. Window assembly methods, eaves depths and the building location have an essential influence on the loads. Next, the installed wooden components should be categorized into one of five load groups, and then, Secura-Check ought to be turned over.

Based on the table 'Varnish groups for external doors and windows', issued by ift e.V., Rosenheim

Renovation intervals and performance warranty for Accoya® joinery applications, depending on Secura-Check and coating system.

Secura Check	Performance Warranty	Remark(s)
0	12 years	In combination with Accoya®
1	10 years	In combination with Accoya®
2	8 years	In combination with Accoya®
3	6 years	In combination with Accoya®
4	5 years	In combination with Accoya®



PPG Wood Finishes

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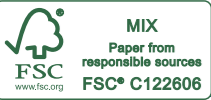


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Innovative and Durable Wood solutions

With more than 100 years of wood industry experience, PPG solves coatings challenges with technology and lowers overall cost of operation with application expertise. As one of the world's largest wood coatings producers, PPG shields wood and joinery components with industry leading products, productivity solutions and services with innovation and leadership through environmentally progressive technologies.

PPG is constantly striving to develop and produce superior paints and coatings. These products result in a high quality and durable surface protection, finishing and decoration while minimizing the effects on humans and the environment as much as possible. The PPG Wood Finishes product range is available for innumerable application methods and a diversity of wood types to meet specific customer requirements and end-use performance. PPG products are developed to bring high technology to the Joinery Coating Industry with many benefits. PPG is continually bringing in new coatings at the cutting edge of the market.

The long-term relationship between PPG and Accsys has led to professional customized advice. PPG also insists on giving guidance in the industrial process, on the construction site and on giving long-term maintenance advice.

Sustainability

Today, the driving force behind innovation by PPG Industries is to develop products with less environmental impact, without compromising on the performance of the paint products. Worldwide customers trust PPG Industries to make airplanes lighter, buildings cooler, cargo more economical, wind turbines more aerodynamic and maintenance intervals longer.

In addition to helping its customers to protect the environment, PPG Industries runs numerous initiatives on sustainable business. A good example is the campaign to reduce energy intensity by 25 percent. PPG continues its progress towards capturing these and other targets in the bi-annual Sustainability report.

Innovation

What gives PPG Wood Finishes' water-based acrylic paint its excellent properties such as recyclability, early low water absorption and durable elastic behavior? The basis of the success lies in the choice of a high performance Acrylic Polymer Dispersion binder with Rheology Controlled Technology. The composition of our coatings is therefore superior in homogeneity.

Rheology Controlled Technology

The use of Controlled Rheology Technology in our latest generation Acrylate coatings insures the possibility of reducing residual paint to an absolute minimum. With the system-wide process conditions efficiency is maximized because the recyclability of our Acrylic coatings is optimal. PPG Wood Finishes three-layered water-based paint system is applicable universally. This provides a number of unique features and practical advantages, such as:

- Superior workability with standard equipment
- Excellent flow, no micro-foam
- Optimally recyclable
- Fast, very good drying and an early low water absorption
- Resistance against "blushing" (with transparent coating systems)
- Primer and topcoat applicable in color



Exploitation

Accoya® are versatile products, almost anything is possible, whether it's the look of a classic, monumental or modern building. The PPG Wood Finishes finishing touch gives you an extra dimension to the joinery element in different degrees of gloss and / or color schemes.

Through responsible handling and correct assembly on site, nothing will interfere with meeting high expectations of the joinery element finished with the products of PPG Wood Finishes, including:

- Permanent elasticity at high and low temperatures
- Regulates moisture through the entire coating system
- Optimal (intercoat) adhesion
- Excellent colour and gloss retention

The basic idea behind the application of paint on Accoya® is color, on that score PPG Wood Finishes, in collaboration with Sigma Coatings, Gori, Johnstons and Seigneurie, contributes not only in appearance but in particular also in exploitation. With combining Medite® Tricoya® Extreme and PPG Wood Finishes you also choose social and financial returns throughout the service life.

Recommended PPG Wood Finishes coating systems

The PPG coating systems mentioned below are in general recommended for use with Medite® Tricoya® Extreme in joinery applications. Always ask for a technical advise for the specific situation.

Translucent PPG Wood Finishes coating system

One layer industrial applied PPG Wood Finishes **TE 121QT** (Clear) on all sides, by dipping or flow-coating in a dry layer thickness of 20 µm.

Three layers industrial applied PPG Wood Finishes **323QT** (Translucent colour) on all sides in a dry layer thickness of 50 µm each. The total layer thickness of the paint system should be 170 µm.

End-grains should always be closed, to reduce the risk off water ingress.

Opaque PPG Wood Finishes coating system

One layer industrial applied PPG Wood Finishes **FE 121QT** (Tinted) on all sides by dipping or flowcoating in a dry layer thickness of 20 micrometers.

One layer industrial applied PPG Wood Finishes **PE 627QO** on all sides in a dry layer thickness of 70 micrometers.

One layer industrial applied PPG Wood Finishes **TE 112QO** Satin on the visible and weathered surfaces, with a dry layer thickness of 60 micrometers.

The total dry layer thickness of the paint system should be 150 micrometers.

End grains should always be closed, to reduce the risk of water ingress.

