

Pyrolan Ionic Top UV 100

5391

Matt, **water-based protective coating** for professional and industrial use
System-matched with Pyrolan Ionic Base KDI 5390

PRODUCT DESCRIPTION

General

Water-based, thin-film, breathable protective coating for interior and sheltered exterior use. It enhances the surface quality and mechanical resistance of Pyrolan Ionic Base KDI 5390 and, thanks to its transparent, matt formulation, ensures a very natural appearance. High breathability – healthy indoor climate. The product contains a special UV filter that protects the wood component lignin by absorbing UV radiation.

The product is formulated without the addition of biocidal agents to protect against blue stain and wood-destroying fungi.

Special properties and standards



- **EN 13501-1 (fire behaviour)**
In combination with a hardly inflammable surface, e.g. materials of fire class A1 or A2: classification as B-s2,d0. The complete coating system (carrier board / glue / veneer or foil) is always used to classify the reaction to fire.



- **NF P 92-501**
Fire behaviour according to French building material regulations: M1
- **Declared in baubook**
Product has been declared and validated



- **French ordinance DEVL1104875A**
Marking of construction coating products for their emission of volatile pollutants: A+

Application area



For interior wall and ceiling paneling and roof trusses.

Further applications in protected outdoor areas only on request.

Not suitable for: mechanically stressed surfaces such as doors, furniture or floors; coated or impregnated substrates; interiors with a permanent humidity of > 80%

Only when combined with Pyrolan Ionic Base KDI (5390).

PROCESSING

Processing instructions



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +10 C.

- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- The color shade, compatibility and adhesion to the substrate must be checked by creating sample panels.
- Wooden parts must be coated on all sides unless they are fully fixed to a solid substrate.
- When changing from Pyrolan Ionic Top UV 100 (5391) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- For storage/delivery, PE foam film (at least 1.5 mm) is recommended as intermediate layers for the coated surfaces.
- Resin flow cannot be avoided by the coating.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Excessive application rates > 50% have a negative effect on the fire behavior of the overall structure.

Application technique



80 -
100 ml
↓
1 m²

	Cup gun	Brushing	Vacuum coater
Applied quantity per application (ml/m²)	80 - 100		

The product is ready to use.

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



Dust-dry (ISO 1517)	approx. 30 minutes
Sandable and recoatable	approx. 60 minutes
Dried through	approx. 12 hour(s)

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight!

Cleaning the working equipment



8029

With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

SUBSTRATE

Type of substrate

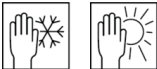
Primed wood with Pyrolan Ionic Base KDI (5390).

Substrate property

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, resin etc. and free from wood dust, as well as tested for suitability for coating.

Wood moisture

13 % ± 2 %

COATING SYSTEM	
Primer coat	1 x Pyrolan Ionic Base KDI (5390)
Intermediate sanding	If necessary: Grit size 240 – 280
Intermediate coat	1 x Pyrolan Ionic Top UV 100 (5391)
Intermediate sanding	If necessary: Grit size 240 – 280
Finishing coat	1 x Pyrolan Ionic Top UV 100 (5391)
MAINTENANCE	
Care	If required, remove dust and dirt from the still intact areas and paint 1 – 2 x using Pyrolan Ionic Top UV 100 (5391).
ORDERING INFORMATION	
Size of trading unit	4 l; 22 l
Colour shades / Glosslevels	Pyrolan Ionic Top UV 100 Farblos, tönbar (5391000220) Colour shades can be obtained using the ADLER colour mixing system ADLERMix. Base paint(s): Pyrolan Ionic Top UV 100 Farblos, tönbar (5391000220) In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface. It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade. Please observe our ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.
Supplementary products	Aqua-Cleaner 8029 (8029) Pyrolan Ionic Base KDI (5390) Please refer to the corresponding technical data sheets of the products.
FURTHER DETAILS	
Durability / storage 	Min. 1 year(s) in the original sealed containers. Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C). Close opened containers well and use up the content as soon as possible.
Technical specifications	VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Pyrolan Ionic Top UV 100 (Cat A/e): 30 g/l. Pyrolan Ionic Top UV 100 contains a maximum of 20 g/l VOC.
Safety information 	The product is only suitable for industrial use. When sanding, use at least a P2 dust filter as personal safety equipment to protect against abrasive and wood dust.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at **www.adler-lacke.com**.
