

Pyrolan Expand Base L

5392

Water-based, **transparent fire protection primer** for **industrial and professional use**
System-matched with Pyrolan Expand Top 5394

PRODUCT DESCRIPTION

General

Intumescent (foaming), transparent fire protection primer for improving the fire behavior according to EN 13501-1 of wood and wood-based materials in interior areas. The product is characterized by universal processing, natural appearance, very good flow and good block resistance. In the event of fire, a thermally insulating layer is created, which delays the spread of fire and reduces the development of smoke gases.

Special properties and standards



- **EN 13501-1** (fire behavior) B-s1, d0
Technical University of Munich B23048 Classification Report in System Design
- **French ordinance DEVL1104875A** regarding the marking of construction coating products for their emission of volatile pollutants: A+

Application area



- For wall and ceiling panelling as well as as well as roof trusses in the interior.
- Other applications in protected outdoor areas only on request.
- Not suitable for: surfaces subject to mechanical stress, e.g. doors, furniture or floors; coated or impregnated substrates; interiors with a permanent Humidity > 80%.
- Use only in combination with Pyrolan Expand Top 5394.

PROCESSING

Instructions for use



- Please stir the product before use.
- The temperature of the product and object, and the room temperature must be at least +15 °C.
- The optimal conditions for use are between 15 – 25 °C with a relative atmospheric humidity of 80 %.
- The compatibility, adhesion and color shade with the substrate must be tested by laying out trial plots.
- Wooden parts must be coated on all sides unless they are fully fixed to a solid substrate.

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Our instructions for use are based on knowledge available currently and shall guide the buyer/user to the best of one's knowledge, but, however, must be clarified for the areas of application and processing conditions on a case-to-case basis. The buyer/user is responsible for deciding on the suitability and use of the delivered product, which is why it is recommended to produce a sample to check the suitability of the product. Our general terms and conditions of sale are otherwise applicable. All previous data sheets are rendered invalid with the issue of this one. Rights reserved for the modification of the container sizes, colour shades and degrees of gloss available.

- When changing from Pyrolan Expand Base L 5392 to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- Coated surfaces with Pyrolan Expand Base L 5392 and Pyrolan Expand Top 5394 must be adequately protected from water and moisture during transport and storage.
- For storage/delivery, PE foam film (at least 1.5 mm) is recommended as intermediate layers for the coated surfaces.
- The flow of resin cannot be avoided based on the coating method.
- 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.

Application technique



Application method	Airless	Airless pressurized (Airmix, Aircoat etc.)	Rolling Brushing
Application	1x	1x	3x
Spray nozzle (ø mm)	0.33	0.33	-
Spray nozzle (ø inch)	0.013	0.013	-
Spraying angle (degrees)	20 – 40	20 – 40	-
Spraying pressure (bar)	80 – 100	80 – 100	-
Atomized air (bar)	-	0.5 – 1.5	-
Spraying distance (cm)	approx. 25		
Wet film (µm)	200 - 250		-
Application quantity per application (g/m ²)	250 - 300		75 - 125

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)



Subsequent coating

after approx. 4 hours

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 equipment

the working With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner 8004 (diluted 1:1 with water).

SUBSTRATE**Type of substrate**

Solid wood and wood-based materials according to EN 13986 (at least D-s2 d0) with a density ≥ 337.5 kg/m³ and a thickness ≥ 8 mm according to Classification Report of the Technical University of Munich B23048.

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

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Wood sanding:

Hardwoods: grit size 150 – 180
Softwoods: grit size 100 – 150

COATING SYSTEM**Primer coat**

Pyrolan Expand Base L 5392
Application quantity: 300 g/m²

Finishing coat

Pyrolan Expand Top 5394
Application quantity: 125 g/m²

ORDERING INFORMATION**Size of trading unit**

20 kg

Colour shades / degrees of gloss

Pyrolan Expand Base L Colorless, 5392000220 tintable

Colour shades are available from the factory.

Base paints:

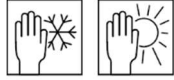
Base W30 5392000220

- In order to ensure uniformity of the colour shade, use only material having 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.

Supplementary products

Aqua-Cleaner 8004
Pyrolan Expand Top 5394

OTHER INSTRUCTIONS

Durability / storage

At least 6 months in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Use the contents of opened containers as quickly as possible.

Technical specifications

VOC-content EU limit for Pyrolan Expand Base L (Cat. A/i): 140 g/l.
Pyrolan Expand Base L contains < 40 g/l VOC.

**Safety-related
Information**

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.

The product is only suitable for industrial and professional use.

Inhaling paint aerosols whilst spraying must generally be avoided. This is ensured by correctly using a breathing mask (combination filter A2/P2).
