Pache SARL - 64 Route de Gravin, 74300 Magland
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Technical data sheet

ADLER
Paint runs through our veins.

Pyrolan Expand Top 5394

Water-based, matt, colourless **protective coating** for industrial and commercial use
System-matched with Pyrolan Expand Base L (5392) and D (5393)

PRODUCT DESCRIPTION

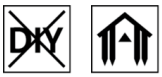
General

Colourless, thin-layered and breathable protective varnish for interior use. Increases the surface quality and mechanical resistance of Pyrolan Expand Base L (5392) and D (5393) and provides a very natural appearance thanks to its transparent and matt finish. High breathability - healthy indoor climate.

Special properties and standards

- **EN 13501-1 (fire behaviour)**
  Technical University of Munich B23048 Classification Report in System Design
- **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.

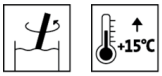
Further applications in protected outdoor areas only on request.

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

Only in combination with Pyrolan Expand Base L (5392) or Pyrolan Expand Base D (5393).

PROCESSING

Processing instructions



- 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 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.

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Our instructions are based on the current state of knowledge and are intended to advise the buyer/user to the best of our knowledge, but must be individually adapted to the areas of application and processing conditions. The buyer/user is responsible for deciding on the suitability and use of the supplied product, which is why we recommend that a sample be produced to check the suitability of the product. In all other respects, our General Terms and Conditions of Sale apply. All previous data sheets lose their validity with this edition. We reserve the right to make changes to container sizes, color shades and available gloss levels.

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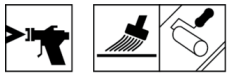
Processing instructions

- When changing from Pyrolan Expand Top (5394) 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) or Pyrolan Expand Base D (5393) 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.
- 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



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Brushing	Rolling
Spraying nozzle Ø (mm)	0,33		-	
Spray nozzle (Ø inch)	0,013		-	
Nozzle angle (°)	20 - 40		-	
Spraying pressure (bar)	80 - 100		-	
Vaporizer Air (bar)	-	0,5 - 1,5	-	
Spraying distance (cm)	25		-	
Applied quantity per application (g/m²)	125		65	
Total quantity applied (g/m²)	120 - 130			
Wet film (µm)	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)

Dust-dry (ISO 1517)	approx. 60 minutes
Tack-free	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

With water immediately after use.

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

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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/m^3 and a thickness ≥8 mm according to the classification report of the Technical University of MunichB23048primed with Pyrolan Expand Base L (5392) or Pyrolan Expand Base D (5393).

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 Expand Base L (5392)

Application quantity: 300 g/m²

or

1 x Pyrolan Expand Base D (5393) white

Application quantity: 250 g/m²

or

1 x Pyrolan Expand Base D (5393) diff. colour shades

Application quantity: 300 g/m²

To achieve the required application quantity for brush and roller application, 3 coats are required.

Finishing coat

1 x Pyrolan Expand Top (5394)

Application quantity: 125 g/m²

To achieve the required application quantity for brush and roller application, 2 coats are required.

ORDERING INFORMATION

Size of trading unit

25 kg

Colour shades / Glosslevels

Pyrolan Expand Top Farblos (5394000200)

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.

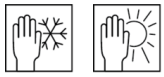
Supplementary products

Aqua-Cleaner 8029 (8029)
Pyrolan Expand Base D (5393)
Pyrolan Expand Base L (5392)

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.

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Technical specifications	VOC content of the ready-to-use mixture: EU limit for Pyrolan Expand Top (Cat A/e): 130 g/l. Pyrolan Expand Top contains maximum 20 g/l VOC.
Safety information	The product is only suitable for industrial use. 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.**

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