

Pieri®VBA Lav 03 Blue

Top-surface retarder
Water based

DESCRIPTION

Pieri®VBA Lav 03 Blue is a water-based surface retarder designed to create exposed aggregate finishes on concrete surfaces. It delays cement hydration at the surface, allowing controlled washing to reveal the aggregates and achieve a uniform decorative appearance.

Pieri®VBA Lav 03 Blue is suitable for an aggregate exposure depth of approximately **2 mm** when used with aggregates sized **5–8 mm**, and forms part of the **Pieri®VBA Lav** range.

Pieri®VBA Lav is a range of eight surface retarder variants developed to provide controlled and repeatable depths of aggregate exposure. The range covers exposure depths from approximately **1 mm to 7 mm**, suitable for aggregate sizes from **3 mm to 30 mm**, depending on the selected variant and concrete formulation.

No solvents are used in the formulation of the range, making it easier to apply and allowing application equipment to be cleaned using water only.

BENEFITS

- High-quality exposed aggregate finish
- Operator and environmentally friendly
- Easy and clean application
- No extensive site protection required
- Consistent and repeatable results
- Versatile for multiple applications
- Supports aesthetic concrete design

FIELDS OF APPLICATION

- **Pedestrian areas and public realm surfaces**
Footpaths, plazas, precincts and ground slabs with decorative exposed aggregate finishes.
- **Architectural concrete cladding**
Precast or in-situ concrete elements requiring visible aggregates for enhanced visual impact.
- **Urban infrastructure and structures**
Retaining walls, street furniture bases and structural elements with aesthetic surface requirements.
- **Highway and transport infrastructure**
Surface-retarded concrete elements such as crash barriers and safety structures.
- **Decorative and architectural concrete works**
Projects where controlled aggregate exposure is required to achieve consistent texture and appearance.

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Blue
Lifetime	12 months
pH	3,00 ± 1,00
Dynamic viscosity (20°C)	500 mPs.s ± 0,00

METHOD OF USE

Dosage :

Average coverage: 1 litre per 4–5 m²

- Ensure the concrete is homogeneous. Cast and trowel as normal, using only light vibration where necessary, as excessive vibration may expose fine aggregates and affect the final appearance. Cement type, cement dosage, water/cement ratio and the presence of fillers will influence setting time and surface finish.
- Before full application, site trials are recommended to confirm the required depth of exposure and final aesthetic appearance. Check nearby painted or porous surfaces to ensure they are not affected.
- Apply **Pieri®VBA Lav** once bleeding water has disappeared (typically around 30 minutes after casting). Agitate the product to ensure homogeneity and spray evenly over the concrete surface.
- Expose the aggregates by pressure washing within the recommended time window, which depends on temperature, concrete composition and site conditions.

For further information contact our technical team.

Equipment :

- Spray application using a 0.79 mm nozzle
- Application pressure: 2–4 bar
- Pressure washing: 100–150 bar
- Keep nozzle 20–40 cm from the concrete surface
- Maintain a 45° spray angle during washing

PRECAUTIONS

- Cleaning should be carried out 4 to 24 hours after application under normal conditions
- In hot, windy or sunny conditions, or for low water/cement ratio concretes (e.g. highway crash barriers):

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

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Chryso
Decorative
Concrete

03/09/2026

PACKAGING

- 18L Jerrycan
- 20L Container

- Below 35°C: wash after 4–12 hours

- Above 35°C: wash after 4–8 hours

- Maximum exposure depth should be $\leq 1/3$ of the largest aggregate size
- Cement type, cement dosage and water/cement ratio directly affect exposure depth
- Surrounding painted and porous surfaces should be protected
- Site trials are strongly recommended prior to full-scale application

SAFETY

- Pieri®VBA Lav 03 Blue is a product classified as "harmless".
- In case of exposure, it is recommended to wear your protective equipment.

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.