

Pieri® Chromofibre 1B-99

special additive

DESCRIPTION

Pieri® Chromofibre 1B-99 is a pre-blended powder additive developed for exposed aggregate concrete. It combines colouring and performance-enhancing characteristics to improve the appearance, durability, and consistency of decorative concrete surfaces.

The product imparts a **Basalt Black** colour to the cement matrix, helping it harmonise with the natural aggregate and creating a more uniform architectural finish. It also improves concrete cohesion, helping to reduce segregation during transport and placement while promoting a consistent exposed aggregate appearance after washing. In addition, Pieri® Chromofibre 1B-99 contributes to improved freeze/thaw resistance, abrasion resistance, impact resistance, and reduced plastic shrinkage cracking.

BENEFITS

- Enhances the architectural appearance of exposed aggregate concrete
- Produces a coloured and homogeneous cement matrix
- Reduces segregation during transport and placement
- Improves consistency of the exposed aggregate finish
- Increases resistance to freeze/thaw cycles
- Improves abrasion resistance
- Improves impact resistance
- Reduces plastic shrinkage cracking
- Supports durable decorative concrete surfaces

FIELDS OF APPLICATION

Pieri® Chromofibre 1B-99 is suitable for:

- Low-traffic roads
- Cycle paths
- Footpaths and pavements
- Factory and office walkways
- Pedestrian crossings
- Public parks
- Private roads
- Public squares and urban landscaping
- Decorative exposed aggregate concrete applications

INDICATIVE INFORMATION

Product Nature	powder
Color	Black
Lifetime	5 months

ADDITIONAL INFORMATION

Concrete incorporating Pieri® Chromofibre 1B-99 produces coloured, homogeneous surfaces where the final appearance is

METHOD OF USE

Dosage :

Add Pieri® Chromofibre 1B-99 at a dosage of **25 kg/m³ of concrete**

- For optimum dispersion, add directly at the concrete batching plant
- The product may also be added on site
- Introduce the product into the mixer drum at the end of loading operations
- Operate the mixer drum at maximum speed for a minimum of **3 minutes**
- Before discharge, remix at maximum speed for a further **3 minutes**

Concrete produced with Pieri® Chromofibre 1B-99 may subsequently be treated using:

- Pieri® VBA Bio 2 surface retarders

Concrete produced with Pieri® Chromofibre 1B-00 can generally achieve:

- Water/cement ratio ≤ 0.50
- Air content between 3% and 6%*

*Actual air content will depend on concrete composition and should be verified through preliminary trials.

PRECAUTIONS

- Store in original unopened packaging
- Protect from moisture
- Carry out preliminary trials before production
- Verify air content and performance using actual project materials
- Follow established concrete production and placement procedures
- Select the appropriate Pieri® VBA surface retarder to achieve the

Pieri® Chromofibre 1B-99

special additive

Chryso
Decorative
Concrete

04/09/2026

determined by the aggregate selected and the colouration of the cement matrix.

The product contributes to:

- Improved concrete cohesion
- Enhanced freeze/thaw resistance
- Increased impact resistance
- Increased abrasion resistance
- Reduced plastic shrinkage cracking

desired aggregate exposure depth

- Final colour may vary depending on cement type, aggregate selection, and production conditions

SAFETY

Refer to the relevant **Safety Data Sheet (SDS)** before use.

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