

Jotashield PL

Product description

Type

This product is a matt paint for exterior treatment, based on PLIOLITE® resins of excellent resistance against any type of weather conditions.

Features and benefits

It has a great adhesion on surfaces due to high wetting power and very good penetration . It is chemically highly inert so it is suitable for industrial jobs due to its high resistance to pollutants, acid rain, etc. It is also resistant to alkali. It can be applied at temperatures from -20 to 40 ° C , and on wet surfaces. It is resistant to rain after 20 minutes. Ease of repainting with the same product.

Recommended use

It is recommended as exterior finish on new or painted surface such works as plaster, concrete, prefabricated blocks, bricks and masonry works where maximum durability and minimum maintenance is expected.

Substrate

Cement plaster, Concrete, block work, gypsum board and rendered surfaces.

Product data

Packaging size	4 L and 15 L
Colours	As per the colour card and available in Jotun Multicolor tinting system (Exterior range).
Solids	46 ± 2 volume%
Flash point	Closed cup: 26°C (78.8°F)
VOC for Ready-for-Use Mixture	EU limit value for the product (cat. A/c): 430 g/l. The product contains max 425 g/l VOC.

Application data

The product can be applied by

Roller : Recommended.

Brush : Recommended.

Spray : Use airless spray or conventional spray.

Guiding data for airless spray

Nozzle tip	0.28-0.38 mm (0.011-0.015")
Spray angle degrees	60°- 80°
Pressure at nozzle	13-18 MPa (130-180 kg/cm ²)

Conditions during application

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

Film thickness per coat

Typical recommended range

Dry film thickness 30 - 60 µm

Wet film thickness 65 - 130 µm

Film thickness will vary and is calculated as average.

Theoretical spreading rate 15,3 - 7,7 m²/l

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Thinner

Jotun Thinner No. 7

Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

1. Recommended data given is, for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied.
3. The surface must be sanded to achieve maximum adhesion if the application is done after recommended recoating time.

Relative Humidity (RH) 50 %

Substrate temperature 23 °C

Surface (touch) dry 1 h

Hard dry 8 h

Dry to over coat, minimum 5 - 7 h

Directions for use

Surface preparation

The substrate must be sound, clean, dry and free from dust, oil, grease, laitance etc. All traces of form release agents/curing agents must be removed. A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed.

Recommended paint system

Other paint systems

Jotashield Penetrating Primer Transparente or Jotashield Penetrating primer Blanco : 1 Coat

Jotashield PL : 2 Coats

Carbonation resistance: A layer of Jotashield PL of 120 microns (µ) has an equivalent resistance of carbonation to a concrete wall of 1 micron thickness or barrier effect that would be produced by 394 meters from thick air. Depending on the area of use can be specified other systems.

Remarks

Other systems may be specified, depending on area of use.

Contents of packaging with different batch numbers must be mixed together before use.

Please refer to the Decorative Sales Department for technical advice.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4.

Handling and storage, refer to section 7.

Transport information, refer to section 14.

Regulatory information, refer to section 15.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.