

Jotashield Ultra Clean

Product description

Type

A premium 100% acrylic emulsion exterior paint with its unique AntiDirt Technology to protect your home from dirt, with its advanced self-cleaning feature that washes dirt away when it rains. This ensures that your home exterior will be kept clean, no matter the weather.

Features and benefits

Low Dirt Pickup - Prevents dirt pickup on your exterior walls keeping your walls clean and beautiful for longer.

Dirt Streak-Resistant - The formulation effectively minimises the formation of dirt streak marks on walls, keeping the exterior of your home looking spotless.

Self-Cleaning - Contains a self-cleaning feature that enables rain to wash soot away from your exterior walls keeping your walls fresh and clean even after heavy rainfall.

8 Years Protection - Certified by external labs to provide 8 years of protection for your home. (Note: Not applicable for Thailand)

Superior UV Protected Colours - Colour lasts more than 2x longer vs. other exterior paints. Made with Jotun Pigment Technology to protect your home and stays beautiful longer with lasting colours.

Reduces Temperature - Jotun Pigment Technology reduces temperature for your home by reflecting sunlight away and stops heat from building up.

Anti Algae & Anti Fungal - Long lasting protection against fungus and algae in tropical climates.

Recommended use

For exterior application, suitable for new buildings or repainting.

Substrate

On concrete, masonry, plaster and brickwork.

Product data

Packaging size	Packing may vary from country to country according to local requirements.
Colours	As per the colour card and available in Jotun Multicolor tinting system (Exterior range).
Solids by volume	38 ± 2 volume%

Application data

Remarks

Handle with care. Stir well before use.

Application equipment / methods

By brush, roller, airless spray or conventional spray.

Guiding data for airless spray

Technical Data Sheet

Jotashield Ultra Clean



Nozzle tip	0.021–0.027"
Spray angle degrees	65–80°
Pressure at nozzle	140 - 190 kg/cm ² (2100 psi)

Spreading rate per coat

Theoretical	12.7 m ² /l	-	9.5 m ² /l
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Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Recommended film thickness per coat

Wet	79 µm	-	105 µm
Dry	30 µm	-	40 µm

Film thickness will vary and are calculated as an average.

Thinner

Water

Dilution

The paint is ready to use after proper stirring. If thinning is required, water may be added up to a maximum of 5%.

Conditions during application

Apply at a temperature between 10°C - 35°C. The temperature of the substrate should be minimum 3°C above the dew point of the air. The temperature and the relative humidity should be measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:
Good ventilation (Outdoor exposure or free circulation of air)

Typical film thickness

One coat on top of inert substrate

The given data must be considered as guidelines only. The actual drying time and time before recoating may be shorter or longer, depending on the ambient temperature, film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc.

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 should be dry and free from any contamination prior to application of the subsequent coat.

The drying time is measured by stated values:

Relative Humidity (RH) 50 %

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	2 h	1 h	0.5 h
Hard dry	8 h	6 h	4 h
Dry to over coat, minimum	4 h	2 h	1 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.

Other Surface: The coating may be used on other substrates.

Please contact your local sales representative for more information.

Recommended paint system

Primer

Cito Primer 09 or Jotashield Primer or Jotun Ultra Primer : 1 coat

Topcoat

Jotashield Ultra Clean : 2 coats

Remarks

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

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.

Environmental labelling

Green Building Standards

The declared product contributes to Green Building Standard credits by meeting the following specific requirements:

LEED®v4 (2013)

EQ credit: Low emitting materials

- Exterior applied products: VOC content for Nonflat Coatings (Gloss >5 and <70 on 60 degree meter) (100 g/l) (CARB(SCM)2007).

LEED®v4 (2013) / LEED®v4.1 (2020)

MR credit: Building product disclosure and optimization

- Material Ingredients, Option 2: Material Ingredient Optimization, International Alternative Compliance Path - REACH optimization: Fully inventoried chemical ingredients to 100 ppm and not containing substances on the REACH Authorization list - Annex XIV, the Restriction list - Annex XVII and the SVHC candidate list.

- Environmental Product Declarations. Product-specific Type III EPD (ISO 14025;21930, EN 15804).

SS Credit: Heat Island Reduction

- Selected colour(s) of this product meets the requirements of:

- SR of at least 0.33 for Non-roof structures

- SRI of at least 39 for Steep-sloped roof

- SRI of at least 39 for Parking roof covering

BREEAM® International (2016)

- Mat 01: Product-specific Type III EPD (ISO 14025;21930, EN 15804).

Additional certificates and approvals may be available on request.

Certificates

ASTM G154:06 QUV-A requirement on Colour Retention Resistance.

SS345:1990 (1999) requirements on Xenon-Arc Accelerating Weathering Exposure

Test on Heat Reflective Paint and Impact on Building Energy Consumption by Building System & Diagnostics (BSD), Singapore

SS500:2002 requirements for Dirt Collection Index

SS345:1990 (1999) requirements on Algae Resistance Test

SS5:Part F5 (2013) requirement on Wet Scrub Resistance.

SS150:1998 (Annex C) "Mildew Resistance Test"
Complies to Singapore Green Label and Thailand Green Label.

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.