

Jotashield AF SG

Product description

Type

A premium 100% acrylic emulsion exterior paint equipped with Jotun Pigment Technology to protect your home from natural weathering and relieves you from worrying about maintenance. It fights colour fading caused by the weather elements and delivers outstanding durability with a wide selection of colours, carefully selected by experts to fit your choice and make your home beautiful.

Features and benefits

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 - Paint reflects sunlight therefore reduce the surface temperature and cools your homes or buildings.

Anti Watermark - Protects your home from visible watermark and keeps it looking fresh and beautiful.

15 Years Protection - Provides 15 years protection for your home.

Dirt Resistance - Paint film resist dirt pick up from the environment and is easily washed off by the rain.

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

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 9.5 m²/l - 12.7 m²/l

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 Antifade Colours Semigloss : 2 coats

Remarks

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

Maintenance

Newly painted surfaces must not be cleaned the first two weeks (the product's curing time). Cleaning is recommended at minimum once a year by using microfiber cloths in combination with water or mild soap water.

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.

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 Algal Resistance Test

SS5:Part F5 (2013) requirement on Wet Scrub Resistance.
Complies to Singapore Green Label, Malaysia SIRIM Eco-Label

Product warranty

More about Jotun's Product Guarantee – "15 Years Protection":

Product Guarantee Terms : Direction for use must be followed strictly (please refer to information in Technical data sheet).

The product guarantee content: The product guarantee "15 years protection" means that the product paint film itself will stick to the surface without peeling off and cracking for 15 years. The guarantee gives the purchaser the right to receive new paint to cover the defective paint film. This does not cover the labour cost of the paint work undertaken. Damages to the paint due to any defects in the surfaces or during application are beyond the product guarantee. In order to claim new paint, the customer will have to produce proof of purchase (ie. a receipt/invoice from the dealer).

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.