

Technical Data

Jotatough HiShield



Product description

Jotatough HiShield is an exterior acrylic emulsion paint that is durable with UV safe colours, easy to apply, resistant to fungal attack and has high coverage. It is also formulated without harmful chemical such as APEO, formaldehyde and heavy metals.

Recommended use

For use on exterior concrete, plaster, and masonry surfaces.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	30	40	35
Film thickness, wet (μm)	81	108	94,6
Theoretical spreading rate (m^2/l)	12,3	9,3	10,6

Physical properties

Colour	As per the colour card and available in Jotun Multicolor tinting system (Exterior range)
Solids (vol %)*	37 \pm 2
Flash point	Nonflammable
Gloss	Flat
Water resistance	Very good

*Measured according to ISO 3233:1998 (E)

Surface preparation

The substrate must be sound, clean, dry, free from dust, oil, grease and laitance etc. All traces of release agents must be removed. On chalky and dusty surfaces, all loose material must be removed by stiff bristle brushing.

Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

Condition during application

Apply at a temperature between 10°C and 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.

Application methods

Spray	Use airless spray or conventional spray
Brush	Recommended
Roller	Recommended

Application data

Mixing	The paint is ready to use after proper stirring. If thinning is required, water may be added up to a maximum of 10%.
Thinner/Cleaner	Water
Guiding data airless spray	
Pressure at nozzle	140 - 190 kg/cm ² (2100 psi)
Nozzle tip	0.021" - 0.027"
Spray angle	65° - 80°
Filter	Check to ensure that filters are clean.

Drying time

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
- * Relative humidity 70%

Substrate temperature	10°C	23°C	40°C
Surface dry	2 h	1 h	0.5 h
Through dry	8 h	6 h	4 h
Dry to recoat, minimum ¹	4 h	2 h	1 h
Dry to recoat, maximum ^{2,3}			

1. Recommended data given 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 – reference is made to the corresponding system data sheet.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Typical paint system

Exterior

Jotashield Primer	1 coat
Jotatough HiShield	2 coats

Other systems may be specified, depending on area of use

Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

Packing may vary from country to country according to local requirements.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

If there is any inconsistency in the text the English (UK) version will prevail.

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