

Technical Data

JOTASHIELD THERMO PRIMER



Product description

Jotashield Thermo is a solvent based acrylic copolymer primer with excellent penetrating properties and water repellency effect. It forms a film with superior alkali resistance.

Recommended use

As a primer or a sealer on exterior surfaces such as cement plasters, concrete, GRC and brickwork etc. specially for use in combination with the Jotashield product range, ideally with Jotashield Thermo.

Film thickness and spreading rate

| | Minimum | Maximum | Typical |
|--|---------|---------|---------|
| Film thickness, dry (μm) | 30 | 40 | 35 |
| Film thickness, wet (μm) | 90 | 120 | 105 |
| Theoretical spreading rate (m^2/l) | 11.3 | 8.5 | 9.71 |

Physical properties

| | |
|-----------------|--------------------------|
| Colour | White |
| Solids (vol %)* | 34 \pm 2 |
| Flash point | 40°C \pm 2 (Setaflash) |

Surface preparation

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

Condition during application

Apply at a temperature between 10°C and 35°C. The temperature of the substrate should be min. 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate.

Application methods

| | |
|--------|--------------------------------|
| Spray | Airless or conventional spray. |
| Brush | Recommended. |
| Roller | Recommended. |

Application data

| | |
|----------------------------|---|
| Mixing ratio (volume) | Single pack. |
| Thinner/Cleaner | Jotun Thinner No. 7 |
| Guiding data airless spray | |
| Pressure at nozzle | 140 kg./cm ² (1990 p.s.i.) |
| Nozzle tip | 0.015" - 0.021" |
| 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 | 6 h | 3 h | 1 h |
| Through dry | 10 h | 5 h | 3 h |
| Dry to recoat, minimum | 8 h | 4 h | 2 h |

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

As a primer or a sealer for concrete or cement plaster with Jotashield Thermo or any other recommended topcoat.

If any imperfections exist on the substrate, use Jotashield filler to level the surface.

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

Storage

The product must be stored in accordance with national regulations. The product must be kept in a cool and well-ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

1 US G and 5 US G.

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 is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

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