

METALLIC



Product description

Metallic is a high quality 100% pure acrylic, water borne product. When light strikes a Metallic coated surface, it creates an unexpected illusion of colour movement.

Recommended use

For use on interior and exterior cement plaster or concrete surface. May also be used as a topcoat on emulsion based paints or texture paints. The product is highly suitable for interior surfaces for creating special effects with the help of spot lights. A surface coated with Metallic shimmers in response to the light source, position and intensity.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	45	60	50
Film thickness, wet (μm)	125	170	150
Theoretical spreading rate (m^2/l)	8-6 *		

Comments

- If used as a topcoat. > 8.0 Sq. M. / L. Spreading rate will vary depending on the film thickness applied and the type of finish.

Physical properties

Colour	As per the colour card
Solids (vol %)*	35 \pm 2
Gloss	Glossy

*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

The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

Application methods

Spray Use conventional spray

Brush Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller May be used. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Application data

Thinner/Cleaner Water

Guiding data airless spray

Pressure at nozzle 140 - 190 kg./cm² (2100 p.s.i.)

Nozzle tip 0.021" - 0.027"

Spray angle 65° - 80°

Filter Check to ensure that filters are clean.

Note

- The orientation of metallic flakes is important. It is advisable to take roller as close as possible to the corner or edge to reduce the change in appearance that can occur when Metallic is applied by brush or roller.
- When painting interior walls it is advised to paint opposite walls first, to avoid marking in the corners. Touch up must be avoided, as a difference in appearance may appear. An entire area application is preferred to provide a uniform finish.
- Jotashield Filler may be used for Exterior surfaces
 - To ensure the desired appearance is achieved, it is required to have a team of skilled applicators or professional painters.

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	12 h	3 h	1 h
Through dry	24 h	5 h	3 h
Dry to recoat, minimum ¹	24 h	5 h	3 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 Penetrating Primer or Jotashield Alkali Resistant Primer 1 coat

Jotashield Topcoat Silk (Colour similar to the Topcoat Metallic colour) 1 coat

Metallic 2 coats

Interior

Fenomastic Primer 1 coat

Stucco 2 coats

Fenomastic matt (Colour similar to the Topcoat Metallic colour) 1 coats

Metallic 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

1Ltr and 1Usg

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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