

Technical Data Sheet

IMICOAT

Product descriptions

Type

A premium exterior elastomeric wall coating with AntiFade Colours that fights colour fading caused by the weather elements and delivers outstanding durability. It is specially formulated to cover and prevent hairline cracks and provides waterproofing protection.

Features and benefits

2xUV Protected colours - Colours last two times longer than other exterior paints.

Cover and Prevent Cracks - Flexible paint film to cover existing and forthcoming hairline cracks to protect the concrete structure from degradation.

Waterproof - Forms a barrier to resist rainwater penetration into the wall and yet capable of allowing moisture trapped in the concrete to escape.

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

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

Dirt Resistance - Paint film resist dirt pick up from the environment.

Formulated without Harmful Chemicals - Free from harmful chemicals such as APEO, formaldehyde, heavy metals and has low volatile organic compound (VOC)

Recommended use

For exterior application, suitable for new buildings or repainting.

Substrate

On concrete, masonry, plaster & brick work surfaces

Application data

Application methods

By brush, roller, airless spray or conventional spray.

Use a honeycomb roller to achieve a textured orange peel effect.

Guiding data for airless spray

Nozzle tip 0.021" - 0.027"

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Spray angle degrees 65-80°
Pressure at nozzle 140 - 190 kg/cm² (2100 psi)

Conditions during application

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

Recommended film thickness per coat

Dry film thickness : 60 - 90 microns (µm)
Wet film thickness : 133 - 200 microns (µm)

Film thickness will vary and is calculated as average.

Spreading rate per coat

Theoretical Spreading rate per coat (m²/l) : 5 - 7.5

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Thinner

Water

Dilution

The paint is ready to use after proper stirring. No dilution is required.

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: 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.

Relative Humidity (RH)	50 %	50 %	50 %
Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	4 h	2 h	1 h
Hard dry	12 h	8 h	6 h
Dried to over coat, minimum	8 h	4 h	2 h

Directions for use

Surface to be painted must be cleaned, dried and make free from dirt, dust, grease, oil, wax, laitance etc. Dilute with 20% of water as a priming coat and apply by brush, roller, squeegee or other spray equipment. The actual method of application depends on site condition. Minimum two coats are recommended for, satisfactory performance; with approximately rate of 0.8kg/sq meter for each coat. At crack surfaces, should be reinforced with a glass fiber mate between each coat. Allow 12 hours between coats. A final curing time of 48 hours should be achieved before any works to be proceeded.

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.
