

Technical Data

BENGALAC MATT



Product description

An alkyd based enamel undercoat or topcoat providing a smooth Matt finish.

Recommended use

It provides an ideal anchorage for alkyd based finishing coats, for use on interior & exterior wooden, steel, cement plaster and concrete surfaces. It may be used as a topcoat whenever a matt smooth finish is required.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	30	40	35
Film thickness, wet (μm)	65	85	75
Theoretical spreading rate (m^2/l)	15.7	11.75	13.4

Physical properties

Colour	As Per colour card
Solids (vol %)*	47 \pm 2
Flash point	40°C \pm 2 (Setaflash)
Gloss	Matt
Specific Gravity	1.35 – 1.45

Surface preparation

The Surface must be dry, clean and undamaged primer or undercoat.

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 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. 2
Guiding data airless spray	

Pressure at nozzle	min. 15 Mpa (150 kg./cm ² 2100 p.s.i.)
Nozzle tip	0.013" - 0.021"
Spray angle	60° - 85°
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

Substrate temperature	23°C	35°C	45°C
Surface dry	2 h	1.5 h	1 h
Through dry	8 h	6 h	4 h
Dry to recoat, minimum ¹	6 h	4 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

On Wooden Surfaces :

Bengalac Wood Primer	1 X35µm
Bengalac Matt	2 x 35µm

On Cement plaster or Concrete (Interior only) :

Jotashield Alkali Resistant Primer	1 x30µm
Stucco	2 Coats
Bengalac Matt	2 x35µm

On Steel Surfaces :

Red Oxide Primer or Cromoprimer	1 x 35 µm	(Dry Film Thickness)
Bengalac Matt	2 x 35 µm	(Dry Film Thickness)

For Interior surfaces it is recommended to use Fenomastic Primer or Jotun Masonry Primer

For Exterior surface it is recommended to use Jotashield Alkali Resistant Primer, Jotashield penetrating Primer or Jotun Masonry Primer

Other systems may be specified, depending on 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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