

Technical Data

Jotaprime Mastic



Product description

Jotaprime Mastic is a two-pack, surface tolerant epoxy mastic coating.

Recommended use

Anticorrosive primer for steel structure above water. Jotaprime Mastic is suitable for on-board maintenance where blast cleaning may not be possible and extended durability is not required.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	60	125	100
Film thickness, wet (µm)	105	220	175
Theoretical spreading rate (m ² /l)	9,5	4,6	5,5

Physical properties

Colour	Grey, Red, Green, Black
Solids (vol %)*	57 ± 2
Flash point	25°C ± 2 (Setaflash)
VOC	3,67 lbs/gal (440 gms/ltr) USA-EPA Method 24 370 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Semigloss
Gloss retention	Fair
Water resistance	Good
Abrasion resistance	Good
Solvent resistance	Good
Chemical resistance	Good
Flexibility	Good

*Measured according to ISO 3233:1998 (E)

Surface preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

Bare steel

Cleanliness: Power tool cleaning to min. St 2, mill scale free (ISO 8501-1:2007). Improved surface treatment (blast cleaning to Sa 2½) will improve the performance.

Coated surfaces

Clean, dry and undamaged compatible primer. Please contact your local Jotun office for more information.

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. Good ventilation is usually required in confined areas to ensure proper drying.

Application methods

Spray	Use airless 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

Mixing ratio (volume)	7:1
Mixing	7 parts Comp. A (base) to be mixed thoroughly with 1 part Jotaprime Mastic, Comp. B (curing agent).
Induction time	10 minutes.
Pot life (23°C)	6 hours (Reduced at higher temperature)
Thinner/Cleaner	Jotun Thinner No. 17

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	10°C	23°C	40°C
Surface dry	5 h	2,5 h	1 h
Through dry	16 h	8 h	3,5 h
Cured	14 d	7 d	3 d
Dry to recoat, minimum	16 h	8 h	4,5 h
Dry to recoat, maximum ¹			

- 1 Provided the surface is free from chalking and other contamination prior to application, there is normally no overcoating time limit. Best intercoat adhesion occurs, however, when the subsequent coat is applied before preceding coat has cured. If the coating has been exposed to direct sunlight for some time, special attention must be paid to surface cleaning and mattening/removal of the surface layer in order to obtain good adhesion.

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

Jotaprime Mastic 2 x 100 microns (Dry Film Thickness)
Hardtop AS/XP 1 x 50 microns (Dry Film Thickness)

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

17,5 litres Comp. A (base) in a 20 litre container and 2,5 litre Jotaprime Mastic, Comp. B (curing agent) in a 3 litre container

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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