

Technical Data

POLYMASTIC 2000



Product description

Polymastic 2000 is a two-pack, surface tolerant abrasion resistant solvent free epoxy mastic coating.

Recommended use

Steel where blast cleaning may not be possible and on hydrojetted surfaces still being moist where gloss and colour retention is of minor importance. Can be used alone or in combination with various systems of primers and topcoats. Gives excellent corrosion protection both in salt and fresh water. If exposed to sunlight chalking may occur.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	200	500	300
Film thickness, wet (μm)	210	520	310
Theoretical spreading rate (m^2/l)	4,8	1,9	3,2

Physical properties

Colour	Aluminium, Light grey, Off-white, Red
Solids (vol %)*	96 \pm 2
Flash point	Non-flammable
VOC	80 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Semigloss
Gloss retention	Fair
Water resistance	Very 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 8501-1:1988). Improved surface treatment (blast cleaning to Sa 2½) will improve the performance.

Shopprimed steel

Clean, dry and undamaged approved shopprimer.

Coated surfaces

Clean, dry and undamaged compatible primer. Contact your local Jotun office for more information. For maintenance UHPWJ to WJ2 (NACE No.5/SSPC-SP 12) or Power tool cleaning to min. St 2 for rusted areas

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 5°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 required in confined areas to ensure correct drying.

Application methods

Spray	Use airless spray with high pressure ratio (min. 60:1).
Brush	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.
Roller	May be used for small areas but not recommended for first primer coat, 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) 2 parts Comp. A (base) to be mixed thoroughly with 1 part Comp. B (curing agent).

Pot life (23°C) 60 min. (Reduced at higher temp.).

Thinner/Cleaner Jotun Thinner No. 17

Guiding data airless spray

Pressure at nozzle

20 MPa (200 kp/cm², 2800 psi).

Nozzle tip

0.021-0.031" (0.53-0.79 mm).

Spray angle

40-80°

Filter

Check to ensure that filters are clean.

Note

* It is of vital importance that the nozzle and other parts of the spraying equipment are cleaned properly directly after the work is done due to the short pot life. If a pail is used under the spray pump and new paint poured into it, this pail must be changed every one hour.

* The hoses should be of good quality and not longer than necessary.

* The temperature of base and curing agent is recommended to be 18°C or higher when the paint is mixed.

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

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