

# Technical Data

## Barrier



### Product description

Barrier is a two-pack zinc rich epoxy primer with a high content of zinc that complies with the compositional requirements for SSPC Paint 20 level 2 and ISO 12944. Barrier is supplied with ASTM D520 Type II zinc dust.

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### Recommended use

As a zinc rich primer on blast cleaned steel. Barrier is used in combination with advanced coating systems to further improve protection against corrosion.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	25	125	75
Film thickness, wet ( $\mu\text{m}$ )	45	235	135
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	21,2	4,2	7

### Comments

DFT exceeding 150  $\mu\text{m}$  should be avoided.

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### Approvals

Australian APAS approved to specification 2916.

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### Physical properties

Colour	Grey
Solids (vol %)*	53 $\pm$ 2
Flash point	27°C $\pm$ 2 (Setaflash)
VOC	415 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Flat
Water resistance	Excellent
Abrasion resistance	Very good
Solvent resistance	Very good
Flexibility	Good

\*Measured according to ISO 3233:1998 (E)

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## 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: Blast cleaning to min. Sa 2 ½ (ISO 8501-1:2007) or for maintenance UHPWJ to WJ2 (NACE No.5/SSPC-SP 12). Roughness: using abrasives suitable to achieve minimum grade Fine (ISO 8503-2).

### Shopprimed steel

Clean, dry and undamaged approved shopprimer.

### Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

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## 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.

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## Application methods

<b>Spray</b>	Use airless spray
<b>Brush</b>	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

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## Application data

<b>Mixing ratio (volume)</b>	3:1
<b>Mixing</b>	Mix 3 part Comp. A (base) thoroughly with 1 part Barrier/Barrier 77, Comp. B (curing agent).
<b>Induction time</b>	30 minutes.
<b>Pot life (23°C)</b>	24 hours. (Reduced at higher temp.).
<b>Thinner/Cleaner</b>	Jotun Thinner No. 17
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	15 MPa min (150 kp/cm <sup>2</sup> , 2100 psi.).
<b>Nozzle tip</b>	0.38 - 0.53 mm (0.015 - 0.021").
<b>Spray angle</b>	40 - 80°
<b>Filter</b>	Check to ensure that filters are clean.

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## 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.**

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### 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 can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

If there is any inconsistency in the text the English (UK) version will prevail.

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ISSUED 30 NOVEMBER 2011 BY JOTUN  
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