Technical Data
Pilot QD Primer

Jotun Protects Property

Product description
Pilot QD Primer is a fast drying, alkyd based primer with zinc phosphate as active corrosion preventing pigments. This product is certified not to spread surface flames, IMO FTPC Part 5 (IMO Res. A.653(16)) / IMO FTPC Annex2 Item 2.2. Compliant in the UK and Ireland as a primer/finish as per environmental protection act guidance PG6/23.

Recommended use
As primer for steel and aluminium structures in moderate, non aggressive environments. Pilot QD Primer is fast drying and resistant against dry heat up to 120°C. Suitable when used in conjunction with Jotun Steelmaster range of Intumescent coatings as part of overall system.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	40	125	75
Film thickness, wet (µm)	70	220	130
Theoretical spreading rate (m^2/l)	14	4,5	7,5

Comments
Hong Kong rules: Category of paints - Marine maintenance coatings; VOC 420 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1.58;
Both VOC and Specific gravity values provided are typical values, subject to changes when different colour involved.

Physical properties

Colour	Grey, Red, White
Solids (vol %)*	56 ± 2
Flash point	26ºC ± 2 (Setaflash)
VOC	3,5 lbs/gal (420 gms/ltr) USA-EPA Method 24 390 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Flat
Water 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: Blast-cleaning to Sa 2½ (ISO-8501-1:2007). Power tool cleaning to min. St 2 (ISO 8501-1:2007) may be acceptable for minor touch-up work, subjected to exposure conditions.

Shopprimed steel
Clean, dry and undamaged approved shopprimer.

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

Other surfaces
For aluminium substrates, thorough washing and sweeping with a nonmetallic blast medium is required.

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 3ºC 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 correct drying.

Application methods

Spray	Use airless spray
Brush	Recommended
Roller	Recommended

Application data

Mixing ratio (volume)	Single pack.
Thinner/Cleaner	Jotun Thinner No. 7
Guiding data airless spray	
Pressure at nozzle	15 MPa (150 kp/cm², 2100 psi).
Nozzle tip	0.38-0.53 mm (0.015-0.021").
Spray angle	40-80°
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	**5°C**	**10°C**	**23°C**	**40°C**
Surface dry	30 min	20 min	15 min	10 min
Through dry	2,5 h	2 h	1,5 h	1 h
Dry to recoat, minimum [2]	2,5 h	2 h	1,5 h	1 h
Dry to recoat, maximum [1, 2]				

1. The surface should be free from chalking and contamination prior to application of the subsequent coat.
2. Pilot QD Primer can be recoated with coatings containing xylene or stronger solvents within 24 hours or after 5 days after application.

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

Corrosivity category C2 - medium (ISO 12944):

Pilot QD Primer	**40 µm**	**(Dry Film Thickness)**
Pilot II	40 µm	(Dry Film Thickness)

In conjunction with Intumescent coatings:

Pilot QD Primer	**75 µm**	**(Dry Film Thickness)**
Steelmaster	according to steelmaster loading table	

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

5 and 20 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 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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