

Technical Data

Pilot II



Product description

Pilot II is an alkyd based topcoat for both exterior and interior use. This product is part of a complete system which is certified not to spread surface flames. Pilot II bases are intermediates and need to be processed before use.

Recommended use

Topcoat in a traditional alkyd system suitable for steel and woodwork. Good weather and colour stability. Good hiding power.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	30	50	40
Film thickness, wet (μm)	60	105	85
Theoretical spreading rate (m^2/l)	16	9,6	12

Approvals

APAS approved to specification 2922.

Physical properties

Colour	According to colour card and Multicolor tinting system (MCI)
Solids (vol %)*	48 \pm 2
Flash point	36°C \pm 2 (Setaflash)
VOC	410 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Glossy
Gloss retention	Good
Water resistance	Limited
Abrasion resistance	Fair
Flexibility	Good

*Measured according to ISO 3233:1998 (E)

Hong Kong rules:

Category of paints - Marine maintenance coatings; VOC 400 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1.04; Both VOC and Specific gravity values provided are typical values, subject to changes when different colour involved.

Surface preparation

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

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 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 correct drying.

Application methods

Spray	Use airless spray or conventional 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)	Single pack.
Thinner/Cleaner	Jotun Thinner No. 2
Guiding data airless spray	
Pressure at nozzle	15 MPa (150 kp/cm ² , 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
- * Certain strong colours may have longer drying times than indicated in the table below

Substrate temperature	5°C	10°C	23°C	40°C
Surface dry	5 h	4 h	3 h	1 h
Through dry	25 h	14 h	7 h	3 h
Dry to recoat, minimum	36 h	24 h	16 h	12 h
Dry to recoat, maximum ^{1,2}				

1. The surface should be dry and free from any contamination prior to application of the subsequent coat.
2. Applied at wet film thickness higher than the recommended maximum, drying times will be longer than indicated in the table.

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

Alkydprimer or Pilot Primer	2 x 40 µm	(Dry Film Thickness)
Pilot II	1 x 40 µm	(Dry Film Thickness)

Note 1: To obtain full coverage an extra coat may be necessary, especially for signal colours in red, orange and yellow.
Note 2: Pilot II is not suitable for direct application to zinc rich primers or galvanised surfaces or alkaline substrates such as concrete.

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 litre container or 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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THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED