



Pilot | ACR

Pilot ACR is a new single pack topcoat from Jotun, suitable for a wide variety of usage situations.

The product combines direct-to-metal protective properties with a semi-glossy surface, and can even be used as a single coat system for less corrosive environments like C2. Due to the fast drying and high-build properties of the product it may help reduce time and labour, and ultimately cost.

Advantages

- No potlife limitations or need for mixing
- Fast drying
- High-build
- Direct-to-metal
- Wide colour selection

Technical Data Pilot ACR

Product description

Pilot ACR is a quick drying high build, one component acrylic finish.

Recommended use

Pilot ACR can be used as a single coat system in atmospheric corrosivity category C2. It can also be used as a TC on various primers. Can be used at low temperatures.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	80	120	120
Film thickness, wet (µm)	145	220	220
Theoretical spreading rate (m²/l)	6,9	4,6	4,6

Physical properties

Colour	According to colour card and Multicolor tinting system (MCI)
Solids (vol %)*	55 ± 2
Flash point	25°C ± 2 (Setaflash)
VOC	398 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Semigloss
Gloss retention	Good
Abrasion resistance	Good
Solvent resistance	Limited
Chemical resistance	Good
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 gms/ltr; 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.

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. 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

For aluminium and galvanized surface; degreasing, light abrading or sand sweeping.

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 (thin 5%)
Brush	Use a suitable brush. Care must be taken to achieve the specified dry film thickness.
Roller	May be used, but is not recommended for first coat on bare metal. Care must be taken to achieve the specified dry film thickness.

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 - 65°
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	0°C	5°C	10°C	23°C
Surface dry	30 min	30 min	20 min	15 min	15 min
Through dry	7 h	7 h	7 h	5 h	4 h
Dry to recoat, minimum	3 h	3 h	3 h	2 h	1 h

Substrate temperature	40°C
Surface dry	15 min
Through dry	4 h
Cured	
Dry to recoat, minimum	1 h
Dry to recoat, maximum	

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

1) Pilot ACR	1 x 120 µm	(Dry Film Thickness)
or		
2) Pilot QD primer	1 x 80 µm	(Dry Film Thickness)
Pilot ACR	1 x 80 µm	(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

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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ISSUED 22 SEPTEMBER 2011 BY JOTUN
THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED



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