

Technical Data

ROYAL WHITE



Product description

Royal White is a high build urethane alkyd based topcoat. It gives a practically non-yellowing colour stable paint film with excellent gloss.

Recommended use

As topcoat over Mammut Primer or other alkyd based primers on steel structure where excellent gloss is required.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	70	90	80
Film thickness, wet (μm)	160	205	180
Theoretical spreading rate (m^2/l)	6,3	4,9	5,5

Physical properties

Colour	White
Solids (vol %)*	44 \pm 2
Flash point	36°C \pm 2 (Setaflash)
VOC	450 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Glossy
Gloss retention	Very good
Water resistance	Fair
Abrasion resistance	Good
Chemical resistance	Good
Flexibility	Fair

*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.

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
Brush	May be used but 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	0.45-0.68 mm (0.018-0.027")
Spray angle	65-80°
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	3 h	2 h	1 h	0,5 h
Through dry	20 h	9 h	4 h	2 h
Dry to recoat, minimum	36 h	12 h	8 h	4 h
Dry to recoat, maximum ¹				

1. The surface should be dry and free from any contamination prior to application of the subsequent coat.

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

Mammut Primer	1 x 80 µm	(Dry Film Thickness)
Royal White	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

Packing may vary from country to country according to local requirements.

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 is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

Footer - English

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