

## Penguard Low Temp Additive

### Product description

This is an additive for improved low temperature curing of the following products:

Penguard HB  
Penguard Primer  
Penguard Special

Add 2 % (0.4 litre) to a 20 litre mixed.

### Typical use

Recommended when a faster curing or painting at lower substrate temperatures is desired.

### Product mixing ratio (by volume)

Single pack

### Drying and Curing time

Substrate temperature	2 °C	5 °C	10 °C	23 °C
<b>Penguard Primer</b>				
Surface (touch) dry	10 h	5 h	2 h	1 h
Walk-on-dry	24 h	16 h	8 h	4 h
Dry to over coat, minimum	18 h	12 h	6 h	3 h
Dried/cured for service		16 d	8 d	4 d
<b>Penguard HB/Penguard Special</b>				
Surface (touch) dry	12 h	6 h	3 h	2 h
Walk-on-dry	30 h	20 h	10 h	5 h
Dry to over coat, minimum	30 h	20 h	10 h	5 h
Dried/cured for service		16 d	8 d	4 d

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum: The shortest time allowed before the next coat can be applied.

Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium.

## Packaging (typical)

	<b>Volume (litres)</b>	<b>Size of containers (litres)</b>
Penguard Low Temp Additive	0.4	1

The volume stated is for factory made colours. Note that local variants in pack size and filled volumes can vary due to local regulations.

## Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

## Shelf life at 23 °C

Penguard Low Temp Additive	48 month(s)
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In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

## Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray 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.

## Colour variation

When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

## Disclaimer

# Technical Data Sheet

## Penguard Low Temp Additive



Jotun Protects Property

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The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.

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