

# SINTEF Environmental Certificate

## No. 10001

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Provided listed on

[www.sintefcertification.no](http://www.sintefcertification.no)

SINTEF confirms that

## Penguard WF

complies with the requirements in

- › **SINTEF Environmental Certificate- Health and environmental requirements**
- › **Byggteknisk forskrift (The Norwegian Regulations on technical requirements for construction works) TEK17: § 9-2 and § 13-1**



### Certificate holder

Jotun A/S – Head Office  
Hystadveien 167, 3209 Sandefjord  
P.O.Box 2021, 3202 Sandefjord  
Norway

### Manufacturer

Jotun Coatings (ZJG) Co. Ltd. - Zhangjiagang  
No. 39 Nanhai Road, Jiangsu Yangtze River International  
Chemical Industry Park, Zhangjiagang Free Trade Zone,  
Jiangsu 215634, China

### Factory production control

The manufacturing of the product is subject to surveillance in accordance with the provisions in EN ISO/IEC 17065.

### Product description

Penguard WF is a two-component water-based epoxy coating for corrosion protection. Area of use is interior steel surfaces.

### Performance requirements

#### *Chemicals hazardous to health and environment*

The product contains no hazardous substances with priority, or other relevant substances in quantities that pose any increased risk for human health and environment. Chemicals with priority include CMR, PBT or vPvB substances.

An assessment of the composition of the product has been carried out based on self-declaration from the manufacturer and safety datasheet. Product in uncured/wet state and dried/hardened chemical mixtures complies with requirements and concentration limits given in table 1 and 2 respectively in "SINTEF Environmental Certificate-Health and environmental requirements".

The product has documented absence of environmental toxins in checklist A20 according to requirements given in "BREEAM-NOR 2016 New Construction Technical manual" Mat 01, compliance note CN1.

#### *Effect on indoor environment*

The product is not regarded as emitting any particles, gases or radiation that have a perceptible impact on the indoor air quality and climate, or to have any significant impact on health.

The product has been tested for emissions of volatile organic compounds (TVOC) included carcinogenic compounds and formaldehyde according to ISO 16000-9/6/3. The product satisfies requirements given in "BREEAM-NOR 2016 New Construction Technical manual" Hea 02, table 15.

#### *Effect on work environment*

Safety datasheet has been assessed. When working with epoxy, caution must be taken.



Certification Manager Steinar K. Nilsen