

Technical Data

PENGUARD CLEAR SEALER



Product description

Penguard Clear Sealer is a two-pack, transparent epoxy sealer having excellent penetrating properties.

Recommended use

It is used as a Sealer on concrete masonry, undercoat for Penguard HB or Topcoat, or only as a dust protecting binder on concrete.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	30	50	40
Film thickness, wet (μm)	60	100	80
Theoretical spreading rate (m^2/l)	10.0	16.7	12.5

Physical properties

Colour	Transparent
Solids (vol %)*	50 \pm 2
Specific Gravity	0.9 – 1.1 (after mixing)
Flash point	25°C \pm 2 (Setaflash)
Gloss	Glossy
Flexibility	Good
Water resistance	Very good
Solvent resistance	Excellent
Chemical resistance	Excellent

Surface preparation

The substrate must be sound, clean, dry, free from dust, oil, grease and laitance etc. All traces of release agents must be removed. On chalky and dusty surfaces, all loose material must be removed by stiff bristle brushing.

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 min. 10°C and min. 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. The moisture content in the concrete should not exceed 4% (by weight). Add 40% Jotun Thinner No. 17 when using Penguard Clear Sealer as a sealer or dust binder.

Application methods

Spray	Airless spray.
Brush	Recommended.
Roller	Recommended.

Application data

Mixing ratio (volume)	4 parts component A (base) to be mixed thoroughly with 1 part component B (curing agent).
Mixing	30 minutes prior to use.
Pot life (23°C)	8 hours (reduced at higher temperature).
Thinner/Cleaner	Jotun Thinner No. 17
Guiding data airless spray	
Pressure at nozzle	15 MPa (150 kg./cm ² 2100 p.s.i.).
Nozzle tip	0.013" - 0.018" (0.33 mm - 0.46 mm).
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

Substrate temperature	10°C	23°C	35°C
Surface dry	120 min	60 min	30 min
Through dry	14 h	6.5 h	4 h
Cured	14 d	7 d	3 d
Dry to recoat, minimum	8 h	4 h	2 h

Dry to recoat, maximum

1. Recommended data given for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied – reference is made to the corresponding system data sheet.
3. 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

Penguard Clear Sealer	1 Coat (Only for Concrete.)
Penguard HB	1 Coats
Penguard Topcoat	2 Coats

(Dilute Penguard Clear Sealer with Jotun Thinner No. 17 to ensure good penetration. Also may be recommended as a sealer over concrete surfaces for 'Epoxy Textile' system.)

Other systems may be specified, depending on area of use

Storage

The product must be stored in accordance with national regulations. The product must be kept in a cool and well-ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

16 L. Comp. A (base) and 4 L. Comp. B (curing agent)
4 L. Comp. A (base) and 1 L. Comp. B (curing agent)

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.

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