

Jotun Epoxy Filler

Product description

This is a two component non shrinking solvent free epoxy filler. It is high strength, providing the abrasion resistance and compressive strength higher than concrete. To be used as filler only. Suitable for properly prepared concrete surfaces.

Typical use

Protective:

Suitable as fill as a part of a complete system exposed to a wide range of corrosive environments up to very high and immersed. Recommended for offshore environments, water inlets, cooling pipes, bridges and general infrastructure buildings. Recommended as a filler for cracks, blow holes, spalls and other surface imperfections irregularities in concrete substrates prior to over coating with a suitable coating system. Ideal for use on vertical concrete substrates or concrete floors. Can be applied with a trowel, putty knife or spatula.

Colors

off-white

Product data

| Property | Test/Standard | Description | |
|------------------|----------------------------------|---------------|--------------|
| Solids by volume | ISO 3233 | 100 % | |
| Density | calculated | 1.7 kg/l | |
| Region | Regulation | Test Standard | VOC Value |
| US | CARB(SCM)2020 / SCAQMD rule 1113 | Calculated | 0.43 lbs/gal |

The provided data is typical for factory produced products, subject to slight variation depending on color.

Film thickness per coat

Typical recommended specification range

| | | |
|----------------------------|--|--|
| Dry film thickness | 8 mils (200 µm) | 394 mils (10000 µm) |
| Wet film thickness | 8 mils (200 µm) | 394 mils (10000 µm) |
| Theoretical spreading rate | 200 ft ² /gal (5 m ² /l) | 0 ft ² /gal (0.1 m ² /l) |

Surface preparation

Surface preparation summary table

| Substrate | Surface preparation | |
|-----------|---|---|
| | Minimum | Recommended |
| Concrete | Dry abrasive blast cleaning to NACE No. 6 / SSPC-SP 13. | Dry abrasive blast cleaning to NACE No. 6 / SSPC-SP 13. |

Application

Application methods

The product can be applied by

Trowel: Trowel on to achieve the required thickness and smoothness.

Product mixing ratio (by volume)

| | |
|---------------------------|-------------|
| Jotun Epoxy Filler Comp A | 1.5 part(s) |
| Jotun Epoxy Filler Comp B | 1 part(s) |

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 17

Drying and Curing time

Temperatures:
-10°C = 14°F / -5°C = 23°F / 0°C = 32°F / 5°C = 41°F / 10°C = 50°F / 15°C = 59°F / 23°C = 73°F / 35°C = 95°F / 40°C = 104°F / 100°C = 212°F

| Substrate temperature | 10 °C | 23 °C | 40 °C |
|-----------------------------|-------|-------|-------|
| Surface (touch) dry | 24 h | 12 h | 6 h |
| Walk-on-dry | 36 h | 18 h | 8 h |
| Dried to over coat, minimum | 40 h | 24 h | 16 h |
| Dried/cured for service | 14 d | 7 d | 3 d |

For maximum overcoating intervals, refer to the Application Guide (AG) for this product.

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

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 recommended shortest time 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.

Induction time and Pot life

Temperatures: 15°C = 59°F / 23°C = 73°F

Paint temperature **23 °C**

Pot life 1 h

Product compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact Jotun for specific system recommendation.

Previous coat: epoxy
Subsequent coat: epoxy, epoxy mastic

Packaging (typical)

| | Volume (liters) | Size of containers (liters) |
|---------------------------|----------------------------|--|
| Jotun Epoxy Filler Comp A | 1.5 | 3 |
| Jotun Epoxy Filler Comp B | 1 | 1 |

The volume stated is for factory made colors. 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, shaded, cool, well-ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C)

| | |
|---------------------------|-------------|
| Jotun Epoxy Filler Comp A | 12 month(s) |
| Jotun Epoxy Filler Comp B | 12 month(s) |

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.

Note

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.

Color variation

When applicable, products primarily meant for use as primers or antifouling may have slight color variations from batch to batch. Such products and epoxy based products used as a finish coat may chalk when exposed to sunlight and weathering.

Color and gloss retention on topcoats/finish coats may vary depending on type of color, exposure environment such as temperature, UV intensity etc., application quality and generic type of paint. Contact your local Jotun office for further information.

Disclaimer

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.