

Jotafloor Anti-Static Primer

Product description

This is a two component water borne electrically conductive epoxy coating. It is a versatile, fast drying product. Can be used as conductive primer in single coat system in atmospheric environments. Suitable for properly prepared concrete.

Typical use

Jotafloor Antistatic Primer is used as an undercoat for conductive and anti-static topcoats, it is suitable for floor of industrial or commercial locations where an anti-static environment is required. It is most recommended for interior surfaces of clean rooms, electronic factories, hospital, computer room, printing factories, pharmaceutical factories and other factories and locations dealing with inflammable gases or liquids.

Approvals and certificates

Determination of Adhesion Strength : ASTM d 4541- >1.50 N/mm²
Determination of Surface to Surface Resistance : ESD STM 7.1 and IEC 61340-5-1
Determination of Surface to Ground Resistance : ESD STM 7.1 and IEC 61340-5-1

Additional certificates and approvals may be available on request.

Colours

Black

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	35 ± 2 %
VOC-US/Hong Kong	US EPA method 24 (tested) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	27 g/l

The provided data is typical for factory produced products, subject to slight variation depending on colour. All data is valid for mixed paint.

Film thickness per coat

Typical recommended specification range

Dry film thickness	35 - 50 μm
Wet film thickness	100 - 150 μm
Theoretical spreading rate	10 - 6.6 m ² /l

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces and Concrete	Clean, dry and undamaged compatible coating as per SSPC SP13/NACE NO 6 /ASTM D4258 -05 /ACI 503.6R-97/SSPC-TR 5/ICRI TECHNICAL GUIDELINE 03741/NACE02203	Clean, dry and undamaged compatible coating as per SSPC SP13/NACE NO 6 /ASTM D4258 -05 /ACI 503.6R-97/SSPC-TR 5/ICRI TECHNICAL GUIDELINE 03741/NACE02203

Laitance deposits are best removed by Planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust debris. For old concrete, Jotun technical team should visit the site and appropriate surface preparation methodology should be recommended and that is to be followed.

Application

Application methods

The product can be applied by

- Brush: Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.
- Roller: May be used. Care must be taken to achieve the specified dry film thickness.

The temperature of the substrate should be minimum 15 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

This product should not be applied on to the surfaces which are known to, or likely to suffer from, rising dampness, potential osmosis problems or have a relative humidity greater than 80% as measured in accordance with BS 8203 Appendix A.

Product mixing ratio (by volume)

Jotafloor Anti-Static Primer Comp A	4.5 part(s)
Jotafloor Anti-Static Primer Comp B	1 part(s)

No part mixing of this product.

Use a slow speed drill and mixing paddle.

The temperature of the base and curing agent is recommended to be 18 C or higher when the paint is mixed.

Thinner/Cleaning solvent

Thinner: Thinning of the product is not recommended. Water to be used for cleaning of tools only.

Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
Surface (touch) dry	14 h	7 h	3 h
Walk-on-dry	16 h	9 h	4 h
Dry to over coat, minimum	18 h	12 h	8 h
Dry to over coat, maximum, atmospheric	72 h	48 h	24 h

* *The coating should not be exposed to foot traffic or to vehicular traffic as it might damage the coating and consequently, coating performance*

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.

Dry to over coat, maximum, atmospheric: The longest time allowed before the next coat can be applied.

Induction time and Pot life

Paint temperature	23 °C
Induction time	3 min
Pot life	30 min.

Product compatibility

Subsequent coat: Jotafloor Anti-Static

Recommended Systems

Jotafloor Sealer HS	100 mic WFT x 2 coats
Copper tape at periphery of the substrate	
Jotafloor Anti-Static Primer	100-150 mic WFT x 1 coat
Jotafloor Anti-Static	1500-2000 mic WFT x 1 coat

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jotafloor Anti-Static Primer Comp A	8.2	10
Jotafloor Anti-Static Primer Comp B	1.8	3

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

Jotafloor Anti-Static Primer Comp A	12 month(s)
Jotafloor Anti-Static Primer 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.

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

Technical Data Sheet

Jotafloor Anti-Static Primer



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

Colour and gloss retention on topcoats/finish coats may vary depending on type of colour, exposure environment such as temperature, UV intensity etc., and application quality. 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.
