Technical Data Sheet

Jotafloor PU Ultra

Product description

This is a two component high volume solid, LEED compliant, isocyanate cured aliphatic polyurethane coating with superior elongation. It complies fully with the properties of ASTM C 957 and is a high performance elastomeric product with superior crack bridging properties. It is a non-yellowing product and has excellent gloss and color retention. It has good chemical, abrasion and impact resistance. If enhanced slip resistance is required Jotafloor Non Slip Aggregate can be used in the system. Suitable on approved primers on concrete substrates.

Typical use

Recommended to be used for a wide range of well-ventilated, exposed to UV concrete floors, roof decks and other concrete structures exposed to various levels of mechanical abrasion and chemical exposure. Specially designed for areas exposed to direct sunlight for UV resistance. Recommended as a topcoat as part of a coating system for car park roof decks and pedestrian walkways.

Colours

Selected range of colours

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	90 ± 2 %
Gloss level (GU 60 °)	ISO 2813	gloss (70-85)
Density	calculated	1.3 kg/l

Region	Regulation	Test Standard	VOC Value
US	CARB(SCM)2020 / SCAQMD rule 1113	Calculated	95 g/l
EU	European Paint Directive 2004/42/CE	Calculated	99 g/l
EU IED	Industrial Emission Directive 2010/75/EU	Calculated	99 g/l

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

Gloss description: According to Jotun Performance Coatings' definition.

This Technical Data Sheet supersedes those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS) and the Application Guide (AG) for this product. For your nearest local Jotun office, please visit our website at www.jotun.com

Film thickness per coat

Typical recommended specification range

Dry film thickness	150	-	200	µm
Wet film thickness	165	-	220	µm
Theoretical spreading rate	6	-	4.5	m²/l

Surface preparation

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.

Substrate should be atleast 28 days old and have moisture content not exceeding 5% and leave a clean, sound and stable base.The preffered method of abrading the substrate is dust free captive blasting or diamond grinding.

To fill any blow holes or undulations in the substrate Jotafloor Filler or Jotafloor Filler Plus may be used.

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:	Use small fibre pile 2 roller. Care must be taken to achieve the specified dry film thickness.

Conditions during application :

The temperature of the substrate should be minimum 10 °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 5% (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

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Product mixing ratio (by volume)

Jotafloor PU Ultra Comp A	1 part(s)
Jotafloor PU Ultra Comp B	1 part(s)

NO PART MIXING.

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

Cleaning solvent: Jotun Thinner No. 10

When thinners are used as a cleaning solvent, the use must be in accordance with prevailing local regulations.

Drying and Curing time

Substrate temperature	23 °C	40 °C
Surface (touch) dry	6 h	4 h
Walk-on-dry	36 h	24 h
Dry to over coat, minimum	24 h	24 h
Dry to over coat, maximum, atmospheric	5 d	3 d
Dried/cured for service	14 d	10 d

Dried /cured for service will vary depending on the application area and actual climatic conditions at the time of application. For further details consult with Jotun Technical Services.

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.

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

Induction time and Pot life

Paint temperature	23 °C
Induction time	3 min
Pot life	25 min

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Product compatibility

Previous coat:	Jotafloor Easyflow Primer HS or Jotafloor SF PR 150 or Jotafloor Sealer HS or Jotafloor PU VERSA One or two coats of Jotafloor Sealer HS will be required depending upon the concrete substrate and its absorption. Contact your local Jotun office for guidance.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jotafloor PU Ultra Comp A	5	10
Jotafloor PU Ultra Comp B	5	5

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, 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 23 °C

Jotafloor PU Ultra Comp A	12 month(s)
Jotafloor PU Ultra 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 applicator and operator 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 should 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 in 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 sought medical attention immediately.

Colour variation

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When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products and epoxy-based products used as a finish coat may 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., 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 data given 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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