

Technical Data

Jotacote UHB



Product description

An ultra high build, predominantly amine cured epoxy coating

Recommended use

Protection of steel and concrete subject to severe corrosion and abrasion. Resistance to salt and fresh water in splash or fully immersed conditions with excellent abrasion resistance. Suitable for contact with potable water.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	1000	3000	2000
Film thickness, wet (µm)	1040	3125	2085
Theoretical spreading rate (m ² /l)	0,96	0,32	0,64

Physical properties

Colour	Light grey, Off-White or Pile black
Solids (vol %)*	96 ± 2
Flash point	35 °C ± 2 (Setaflash)
Gloss	Flat
Water resistance	Very good
Abrasion resistance	Excellent
Solvent resistance	Good
Chemical resistance	Very good
Flexibility	Limited
Compatibility with cathodic protection	Excellent

*Measured according to ISO 3233:1998 (E)

Surface preparation

Bare steel

Cleanliness: Blast cleaning to min. Sa 2 ½ (ISO 8501 1:2007). Roughness: using abrasives suitable to achieve Grade Medium G (50 - 85 µm, Ry5) (ISO 8503-2).

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 minimum 5°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until cured.

Application methods

Spray	Use airless spray
Brush	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Application data

Mixing ratio (volume)	3 parts Comp. A (base) to 1 part Comp. B(curing agent)
Mixing	Thoroughly power mix before use
Pot life (23°C)	30 minutes (reduced at higher temperatures)
Cleaner	Jotun Thinner No. 17
Guiding data airless spray	
Pressure at nozzle	29-32 MPa(4050-4500psi)
Nozzle tip	0.70-1.04mm (0.028-0.041")
Spray angle	40-80°
Filter	Filters to be removed prior to spraying

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	5°C	10°C	23°C	40°C
Surface dry	6 h	5 h	2 h	3/4 h
Through dry	24 h	16 h	8 h	2 h
Cured	14 d	10 d	5 d	2 d
Dry to recoat, minimum	24 h	16 h	8 h	2 h
Dry to recoat, maximum	96 h	72 h	36 h	18 h

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

Jotacote UHB	1 x 2000 microns	(Dry film Thickness)
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Other systems may be specified, depending on area of use

Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

12 l Comp. A (base) and 4 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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