

Technical Data

Durathane HB



Product description

Durathane HB is a two - pack polyurethane topcoat with excellent weather and colour retention properties.

Recommended use

As topcoat in a decorative paint system where a matt finish is required.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	30	50	40
Film thickness, wet (µm)	62,5	104,2	83,3
Theoretical spreading rate (m ² /l)	16	9,6	12

Physical properties

Colour As per the colour card

Solids (vol %)* 48 ± 2

Flash point 25°C ± 2 (Setaflash)

Gloss Flat

Water resistance Very good

Abrasion resistance Very good

*Measured according to ISO 3233:1998 (E)

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 minimum 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 correct drying.

Application methods

Spray	Use airless spray or conventional spray
Brush	Recommended
Roller	Recommended

Application data

Mixing ratio (volume) 9 parts of Comp. A (base) to be mixed thoroughly to 1 part Comp. B (curing agent)

Pot life (23°C) 4 hours (Reduced at higher temperature)

Thinner/Cleaner Jotun Thinner No. 10. For hot climate and need of slower evaporation, use Jotun Thinner No. 25.

Guiding data airless spray

Pressure at nozzle	15 MPa (150 kp/cm sq, 2100 psi)
Nozzle tip	0.33 - 0.46 mm (0.013 - 0.018")
Spray angle	40 - 80°
Filter	Check to ensure that filters are clean.

Note Depending on working condition, temperature, application equipment etc., it may be necessary to adjust the viscosity by adding 0 - 10% Jotun Thinner No. 10. For hot climate and need of slower evaporation, use Jotun Thinner No. 25.

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	40°C
Surface dry	1 h	0.5 h	0.5 h
Through dry	6 h	3 h	1.5 h
Cured	10 d	5 d	2 d
Dry to recoat, minimum ¹	6 h	3 h	1.5 h
Dry to recoat, maximum ²			

1. Recommended data given for recoating with the same generic type of paint.
2. The surface must be free from chalking and contamination, and if necessary, sufficiently roughened prior to application.

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

Decorative systems - Concrete or plastered surface

Penguard HB (diluted with Thinner No. 17 (25-30%)) 1 coat
Penguard HB 1 coat
Futura HB 2 coats
(If required for very porous surfaces, a coat of Penguard Clear Sealer may be used)

Penguard Clear	1 coat
Texo Compound	1 coat
Futura HB	2 coats

Topcoat on water based textured system.

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

20 litre unit: 18 litres Comp. A (base) in a 20 litre container and 2 litres Comp. B (hardener) in a 3 litre container.
5 litre unit: 4.5 litres Comp. A (base) in a 5 litre container and 0.5 litre Comp. B (hardener) in a 1 litre container.

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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