

Durathane

Product description

Type

This product is a two pack topcoat based on polyurethane resin.

Features and benefits

Offers good weather & ultra violet light resistance and colour retention properties. Provides durable high gloss finish.

Recommended use

Ideal as a topcoat in industrial and decorative paint system.
Ideal as a topcoat in Textile system.

Substrate

Cement plaster, concrete, wood, steel.

Product data

Packaging size	20 L (Comp A : 18L and Comp B 2 L)
Colours	As per colour card and available in Jotun Multicolor tinting system (Interior range).
Solids by volume	48 ± 2 volume% Theoretical
Specific gravity	1.3 Theoretical
Specific gravity	Theoretical
Flash point	Closed cup: 25°C (77°F)
VOC	489 g/l ISO 11890 EU
VOC comments	This is the theoretical value. Tested value will vary depending on test methodology, accuracy of equipment used for testing and test conditions.

Application data

The product can be applied by

Roller : Recommended.

Spray : Use airless spray or conventional spray.

Brush : Recommended to paint corners and edges.

Guiding data for airless spray

Nozzle tip	0.33-0.46 mm (0.013-0.018")
Spray angle degrees	40° - 80°
Pressure at nozzle	15 MPa (150 kp/cm ² , 2100 psi)

Film thickness per coat

Typical recommended range

Dry film thickness 30 - 50 µm

Wet film thickness 65 - 105 µm

Film thickness will vary and is calculated as average.

Theoretical spreading rate 16 - 9.6 m²/l

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

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Product mixing ratio (by volume)

9 : 1

Mix up thoroughly before use.

Durathane Comp A 9 part(s)

Durathane Comp B 1 part(s)

Induction time and Pot life

Paint temperature 23 °C

Pot life after mixing 4 h

Thinner

Jotun Thinner No. 10

Dilution

Maximum 10 %

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 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

1. Recommended data given is, for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The drying time is measured by stated values:

Relative Humidity (RH) 50 %

Substrate temperature	0 °C	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	4 h	2 h	1 h	0.5 h	0.5 h
Hard dry	20 h	10 h	6 h	3 h	1.5 h
Dry to over coat, minimum	12 h	10 h	6 h	3 h	1.5 h
Cured	20 d	15 d	10 d	5 d	2 d

Directions for use

Surface preparation

The substrate must be sound, clean, dry and free from dust, oil, grease, laitance etc. All traces of form release agents/curing agents must be removed. A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed.

Recommended paint system

Primer

Acrylic Emulsion Primer or Tex Primer : 1 Coat

Undercoat

Texo Compound : 1 Coat

Topcoat

Durathane : 2 Coats

Other paint systems

On steel surfaces:

Barrier : 1 X 50 microns
Penguard HB : 1 X 100 microns
Penguard HB : 1 X 100 microns
Durathane : 1 X 40 microns

Acrylic textile system

Acrylic Emulsion Primer : 1 Coat
Texo Compound : 1 Coat
Durathane : 2 Coats

Epoxy textile system

Penguard HB : 1 Coat
Penguard Texo : 1 Coat
Durathane : 2 Coats

Remarks

Other systems may be specified, depending on area of use.

Contents of packaging with different batch numbers must be mixed together before use.

Please refer to the Decorative Sales Department for technical advice.

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.

Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4.

Handling and storage, refer to section 7.

Transport information, refer to section 14.

Regulatory information, refer to section 15.

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.