

# Technical Data

## Durosan



### Product description

Durosan is an acrylic copolymer matt latex emulsion paint. It has good flow, hiding power, incan antibacterial and colour retention properties. Durosan gives smooth, flat, washable and durable finishing.

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### Recommended use

For interior and exterior use on most surfaces i.e. cement plaster, stucco filler, gypsum board, concrete, asbestos cement sheeting and rendered block work.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	40	60	50
Film thickness, wet (µm)	125	175	150
Theoretical spreading rate (m <sup>2</sup> /l)	8	6	7

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### Physical properties

Colour	As per the colour card
Solids (vol %)*	34 ± 2
VOC	lbs/gal (0 gms/ltr) USA-EPA Method 24

\*Theoretically calculated

VOC - 0 gms/lit (theoretical) when measured as per ISO EU.

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### 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.

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### Condition during application

The temperature of the substrate should be min. 10°C and min. 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate.

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## Application methods

<b>Spray</b>	Use airless spray or conventional spray
<b>Brush</b>	Recommended.
<b>Roller</b>	Recommended.

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## Application data

<b>Mixing ratio (volume)</b>	Single pack.
<b>Thinner/Cleaner</b>	Water
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	140 – 190 kg./cm <sup>2</sup> (2100 p.s.i.)
<b>Nozzle tip</b>	0.021" - 0.027"
<b>Spray angle</b>	65° - 80°
<b>Filter</b>	Check to ensure that filter is clean.

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## 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
- \* Relative humidity 70%

<b>Substrate temperature</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	6 h	3 h	1 h
<b>Through dry</b>	12 h	6 h	2 h
<b>Dry to recoat, minimum <sup>1</sup></b>	6 h	4 h	2 h
<b>Dry to recoat, maximum <sup>2,3</sup></b>			

1. Recommended data given 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 – reference is made to the corresponding system data sheet.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

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.

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## Typical paint system

<b>Interior</b>	
PVA Primer	1 coat

Stucco	2 coats
Durosan	<b>2 coats</b>

**Exterior (Exterior smooth finish.)**

Acrylic Emulsion Primer	1 coat
Durosan	<b>2 coats</b>

Other systems may be specified, depending on area of use

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## 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.

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## Handling

Handle with care. Stir well before use.

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## Packing size

1 US G and 5 US G.

Packing may vary from country to country according to local requirements.

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## 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.**

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### 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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