

# Technical Data

## DUROSAN 03



### Product description

Durosan 03 is a good quality styrene acrylic emulsion paint, providing brilliant white or coloured matt finish. Durosan 03 has good water resistance

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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. This product has good weather and scrub resistance and can be applied as undercoat for textured coating. Durosan 03 be applied without primer on new and sound surface.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	30	50	30
Film thickness, wet ( $\mu\text{m}$ )	90	150	90
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	11.3	6.8	11.33

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### Physical properties

Colour	As per the colour card
Solids (vol %)*	34 $\pm$ 2
Specific Gravity	1.40 -1.55
Gloss	Matt
Flash Point	Non flammable

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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.

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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

Spray	Airless or conventional spray.
Brush	Recommended.
Roller	Recommended.

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## Application data

Mixing ratio (volume)	Single pack.
Thinner/Cleaner	Water
Guiding data airless spray	
Pressure at nozzle	min. 150 kg./cm <sup>2</sup> (2100 p.s.i.)
Nozzle tip	0.018" - 0.021"
Spray angle	40° - 80°
Filter	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%

Substrate temperature	23°C	35°C
Surface dry	30 min	15 min
Through dry	2.3 h	1 h
Dry to recoat, minimum	2 h	1 h
Dry to recoat, maximum		

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

On Porous and chalking surfaces

Jotashield Penetrating Primer	1 coat
Stucco	2 coats
Durosan O3	2 coats

On New and old sound surface

Jotashield Alkali Resistant Primer/Masonry Primer	1 coat
Stucco	2 coats
Durosan O3	2 coats

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. The product must be kept in a cool and well-ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.

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## Handling

Handle with care. Stir well before use.

## Packing size

1 USG, 18 Ltrs.

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.*

Jeddah - Head Office  
Jotun Saudia CO. LTD  
P. O. Box 34698  
Jeddah 21478  
Saudi Arabia  
Phone +966 02 6350535  
Fax +966 02 6362483

Riyadh - Branch  
Jotun Saudia CO. LTD  
P. O. Box 91586  
Riyadh 11643  
Saudi Arabia  
Phone +966 01 2430503  
Fax +966 01 2709689

Dammam - Branch  
Jotun Saudia CO. LTD  
P. O. Box 4906  
Dammam 31412  
Saudi Arabia  
Phone +966 03 8473090  
Fax +966 03 8474097

Yanbu - Factory  
Jotun Saudia CO. LTD  
P. O. Box 30154  
Yanbu AL Sinaiyah  
Saudi Arabia  
Phone +966 04 3962911  
Fax +966 04 3968483

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