



## DURAMENJEL

Polymer Modified Water based Rubberised Elastomeric Bitumen gel  
for Waterproofing and Protective Coating

### Description:

**DURAMENJEL** is a blend of selected bitumen emulsified with water and modified with synthetic rubber to provide an easily applied waterproof protective coating with or without polyester felt as reinforcement. **DURAMENJEL** dries to a black flexible waterproof coating which is resistant to the passage of vapour.

### Uses :

- As a vapour barrier coating.
- As a general waterproof coating.
- As a waterproof membrane for surface dressing.

### Features:

- Ready-to-use directly from the container.
- Synthetic rubber-elastomeric.
- Water based economical product.
- Adheres to a wide range of materials like concrete, metal, wood, cork and most insulants.
- Non-flammable. Eco-friendly.

### Specification:

According to specifications ASTM D412, ASTM D4541, ASTM D638, IS 9862:1981.

### Application:

**DURAMENJEL** may be applied by brush. Surfaces should be sound, clean and free from oil or grease. Before application of **DURAMENJEL** the surfaces should be primed with a coat of **DURAMENJEL**, diluted with an equal quantity of cool clean water and allowed to dry.

After application of two coats of **DURAMENJEL** @ 0.400 Kg/m<sup>2</sup> per coat, top surface may be covered with 10/15 mm cement/sand (1:7) plaster. The same plaster may be also provided over polyester felt reinforcement sandwiched between 0.8 Kg/m<sup>2</sup> per coat and next 0.8 Kg/m<sup>2</sup> per coat.

**Cleaning** Tools may be cleaned with water when wet if it is dried the same may be removed mechanically.

## Technical Data:

PARAMETERS	PROPERTIES	SPECIFICATION
Appearance	Homogenous black liquid	
Specific gravity at 30 <sup>0</sup> C (kg/cc)	1.00 ± 0.02	
Touch dry time at 30 <sup>0</sup> C	45 minutes	
Inter coat time at 30 <sup>0</sup> C	2 to 5 hours	
Curing time	72 hours	
Dry film thickness	300 micron	ASTM D412
Elongation %	200-300%	ASTM D412
Flexibility & Adhesion after 96 hours air drying	No damage or detachment of the film	IS 101:16
Protection against corrosion under condition of condensation	No sign of corrosion is observed	IS 101:18
Stripping Test	Scratches free from jagged edges is observed	IS 101:17
Water Vapour Transmission	2.5 gm/m <sup>2</sup> / 24 hours	ASTM E96
Tensile Strength @ break (MPa)	2.0	ASTM D638
Coverage Area	1.25 m <sup>2</sup> /kg in 2 coat	
Flash point, °C	>30°C	IS 101:24
Volatile matter (% by mass)	45	IS 101:26
Adhesion Strength (N/mm <sup>2</sup> )	1.6	ASTM D4541
Chemical Resistant	Resists attack by chloride & sulphate.	IS 9862
Acid resistant	The coatings remains firmly adherent on the surface. No sign of softening, blistering, cracking or change in colour is observed	IS 9862
Alkali resistant	The coatings remains firmly adherent on the surface. No sign of softening, blistering, cracking or change in colour is observed	IS 9862
Heat flow resistance	Does not flow or sag at 80°C	
Water Resistant	The coating remains firmly adherent and imparts no unpleasant odour or taste to water.	IS 9862
Solubility	CS <sub>2</sub> , benzene	
Flammability	Non flammable and non toxic	

## Packaging

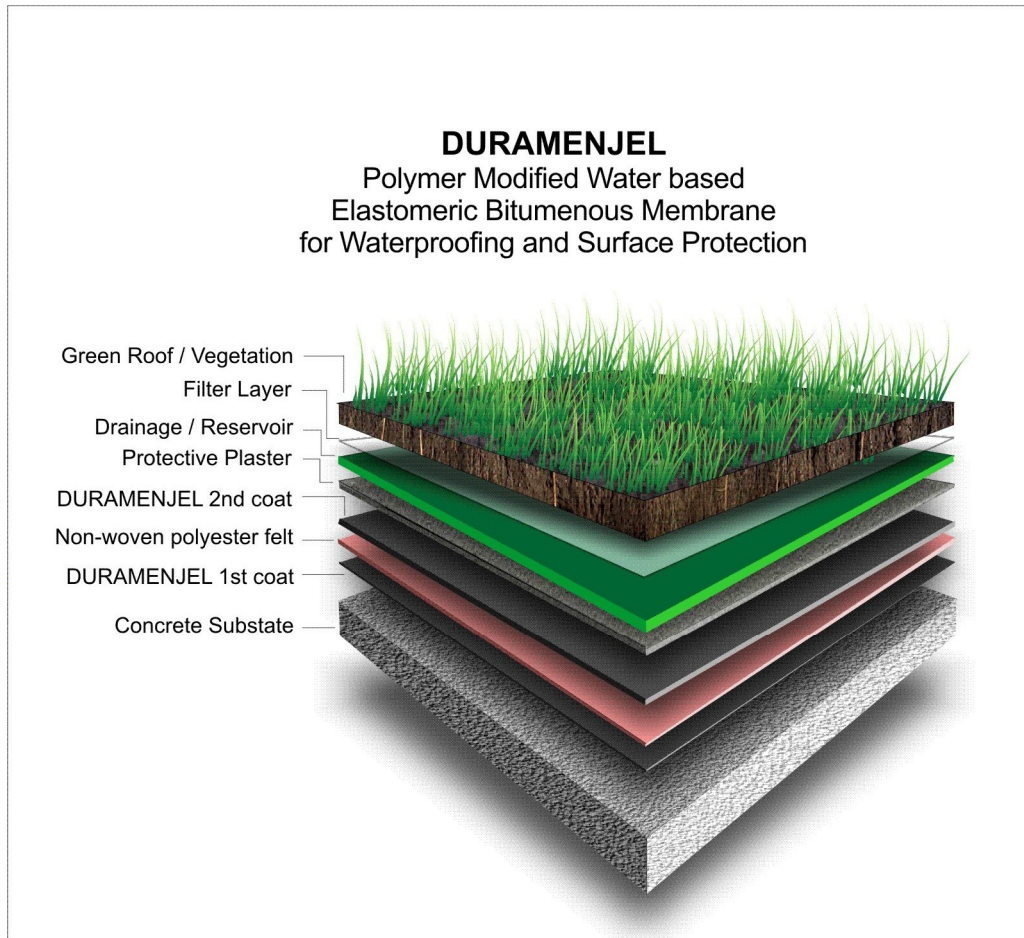
Packing is available in 5kg, 25 kg & 50 kg Container.

## Shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an airconditioned environment. Shelf life is 12 months when stored as above.

## Precautions

- Apply **DURAMENJEL** on a clean sound surface.
- **DURAMENJEL** should be shaken well before use.
- Moisten porous surfaces before applying **DURAMENJEL**. Use it at 1:1 diluted with water as a primer.
- Allow to dry between coats.
- Protect wet film from immediate rain.
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**IMPORTANT:** Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

**WARRANTY:** Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

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