

# DURA BUILD CARE PVT. LTD.



AN ISO 9001 : 2008 COMPANY

*“Quality, Integrity Assured.”*

## DURAFEX

Polymer Modified Flexible Waterproofing Coating/Elastomeric Membrane

### Description

**DURAFEX** is a grey coloured elastomeric/acrylic/rubber membrane coating in brushable pasty consistency. Over cracked surface **DURAFEX** may be laid with non-woven fabric like polyester felt sandwiched between two coats. Other colours are available on request.

### Uses

Flat or sloped concrete roof decks, basements, asbestos roof etc. where cracks on the surface are to be sealed. Primer should be used.

### Features

- Crack bridging-easily accommodates movements.
- Breathable(Vapour permeable)membrane-no blistering.
- Seamless/joint less monolithic membrane coating.
- Easily applied over critical corners/dome shaped surfaces.
- Highly impermeable-stretchable-fiber reinforced membrane.
- Excellent bonding on all building substrates.
- Water based and Eco-friendly
- High alkali resistance and antifungal properties
- Excellent UV resistance
- Low dirt pick up

### APPLICATION DETAILS

#### SURFACE PREPARATION/ PRIMING

Clean the surface from dirt, dust, fungus, latience and projecting nibs. Apply Durafex primer over the surface @6 to 10Sq mtr/kg.

#### APPLICATION CONDITIONS / LIMITATIONS

|                       |                       |
|-----------------------|-----------------------|
| Substrate Temperature | Min. 5°C – Max. 40°C. |
| Ambient Temperature   | Min. 5°C – Max. 45°C. |
| Substrate Humidity    | < 20 %                |
| Relative air Humidity | < 90 %                |

#### SURFACES WITH CRACKS 0.6mm WIDTH ( STATIC/DYNAMIC )

Allow the applied primer to dry (2-4hour). Apply first coat of Durafex over it @0.50 to 0.80 kg/ m<sup>2</sup>. Allow it to dry for 2-6hours.

Apply second coat of Durafex @0.50 to 0.80 kg/ m<sup>2</sup>. Allow it to dry for 24 hours (no soft/ wet material should come out by nail). Finally after 24 hours, apply cement/sand (zone III)mortar at 1:6 with 15-20mm thickness admixture with Dura 1 or Duraspred M@ 1kg or Duratite @ 150 ml per 50kg cement.

## SURFACES WITH CRACKS $\geq 0.6\text{mm}$ WIDTH ( STATIC/DYNAMIC )

Allow the applied primer to dry (2-4 hours). Apply Durafex @ 1 to 1.25 kg / m<sup>2</sup>. Followed by laying non-woven fabric and saturated the pores of the fabric with paint roller. Allow it to dry for 2-6 hours.

Apply second coat over the top of the saturated fabric @ 1 to 1.25 kg/ m<sup>2</sup>. and allow it to dry for 24 hours. Finally provide a layer of cement/ sand(zone III) mortar as described in the previous section.

## MECHANICAL PROPERTIES

### PACKAGING

Packing is available in 1kg, 5 kg & 30 kg Container.

| PARAMETERS   | PROPERTIES                         | SPECIFICATION |
|--|------------------------------------|---------------|
| Film Thickness   | 600-1200 micron (in two coat)      |               |
| Touch dry  | 2 -3 hours at 27°C                 |               |
| Recoatible   | 6 hours at 27°C                    | ASTM D638     |
| Specific gravity   | 1.60 $\pm$ 0.10 at 27°C            |               |
| Solid Content  | 70 – 80%                           | ASTM D638     |
| Tensile Strength (N/mm <sup>2</sup> )                    | 2.5                                |               |
| Elongation   | 468%                               |               |
| Curing time  | 7 days                             |               |
| Resistance to water                                      | Passes the Test                    | IS : 9862     |
| Adhesion   | 4.2 / 5                            |               |
| Weight of dry film                                       | 1.00kg to 2.00 kg/m <sup>2</sup> . | ASTM 1580     |
| Appearance after 2000 hr accelerated weathering observed | No colour change or chalking       | IS 9862       |
| Aspect   | Viscous dispersion                 |               |
| Flammability   | Non flammable                      |               |
| Toxicity   | Non toxic and eco friendly         |               |
| Corrosion Resistance                                     | Passes the test                    |               |



### AREA

1 to 1.5 kg/ m<sup>2</sup> for 1.20mm film thickness (No reinforcement)

With non-woven fabric thickness: 2-to 2.50 kg/ m<sup>2</sup>. for 1.20 mm film reinforcement between 2 coats)

### 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.

### PRECAUTION

For the full health and safety hazard information and for the safe handling of this product, please refer to DURA Material Safety Data Sheet (MSDS) from our office or our website.

**Important:** Stir well before use.

**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.

**HEAD OFFICE:** 104-106, Dimension Deepti Plaza, Plot No-3, LSC, Pocket-6, Nasirpur, Dwarka, New Delhi-110045.

Phone No.: 011-25050236, 011-25050237, Fax No.: 011-25050238

E-mail: admin@durabuildcare.com, sales@durabuildcare.com, Website: durabuildcare.

- WATER PROOFERS ● POLYMER MODIFIED FOR CEMENT ● ADMIXTURE/PLASTICISER ● EPOXY PRODUCTS ● EPOXY BONDING AGENT ●
- FLOORING COMPOUNDS ● GROUTING COMPOUNDS ● REPAIR MATERIAL ● CURING COMPOUNDS ● TILE ADHESIVE & GROUT ●