



DURAFLEX

DESCRIPTION

- Duraflex is a single pack, water based, high build membrane coating for the sealing and long-term protection of exterior surfaces.
- The coating combines a high degree of flexibility with considerable cohesive strength and water resistance. Duraflex has the ability to absorb considerable substrate movement and to bridge developing cracks.
- A standard colour range of White, Grey, Pale Beige, and Mission Brown is available.

USES

- Duraflex can be applied to all common building materials such as concrete, render, aluminium, steel, cement sheet, masonry, brick, wood etc.
- Ideal for use to waterproof shower recesses, bathrooms, balconies, rooftops, etc.

FEATURES AND BENEFITS

- Water based.
- Very flexible and elastomeric.
- Excellent water resistance.
- Adheres to all commonly used building and construction materials.
- Non-flammable.
- Non-hazardous.
- No application hazards.
- High scrub and wash resistance.

SURFACE PREPARATION

- All surfaces must be free of grease, oil and dust. Very smooth surfaces should be roughened for better adhesion.
- Loose rust, moss, lichens, crumbling cement, deteriorated fibre cement and degraded bituminous substances must be removed either mechanically or chemically.
- Surface faults such as blisters, holes and cracks should also be cleaned out, then repaired with a flexible filler.
- Small hairline Cracks can be painted with Duraflex - brush in, allow to dry, then repeat until filled or at least sealed.

- Adhesion to concrete and other porous substrates (e.g. fibre cement sheet), can be improved by priming with Duron Sealer. This is recommended because these surfaces can be very weak and consequently when a coating of Duraflex is pulled up it actually tears away the surface to which it is bonded, (e.g. concrete - concrete failure). Sealing with Duron Sealer greatly reduces this type of potential failure.
- Rusty metal should be cleaned by blasting or other means to a suitable standard then primed with a rust inhibiting primer such as Duron W. Other metals should be suitably primed or treated, e.g. for new galvanising, degrease, etch or roughen surface before coating.

APPLICATION

- Duraflex may be applied direct to all common building substrates, i.e. concrete, render, aluminium, steel, cement sheet, masonry, brick.
- Apply two or more coats to obtain recommended total thickness by brush, roller, spread bar or airless spray gun. Ideal application temperature is between 10-30°C and relative humidity 30-80%. In rapid drying conditions, mask large areas into smaller zones to help obtain an even application and appearance.
- Rinse brushes, etc., frequently in water to prevent drying / clogging. Keep containers closed to minimise skin formation.
- In fast drying weather conditions, adhesion to unsealed absorbent or porous surfaces is significantly improved by using the Duron Sealer.
- Typical airless spray set up:

Inlet Pressure:

- 690 - 1380 kpa (100 - 200 psi).

Pump Ratio:

- 20:1 to 40:1.

Outlet Pressure:

- 14000-28000 kpa (2000 - 4000 psi).

Tip (adjustable):

- 0.7 - 1.1 mm (27 - 43 thou).

Inlet Pipe Length:

- Short as possible.



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Outlet Hose:

- 12mm (1/2 inch) i.d. and about 8m (26 ft) long max.
- If necessary slightly thin Duraflex with water, usually 2-5%.

PRECAUTIONS

- Wash off body before Duraflex dries to a tough, water insoluble film. If in eyes, rinse eyes immediately with water 5-10 minutes. If irritation persists, consult a doctor. Move to fresh air if nasal discomfort occurs. Refer Material Safety Data Sheet for further information.
- Do not add sand to Duraflex as it will reduce its flexibility and may cause cracking.
- Duraflex is not recommended for use in areas of water immersion like swimming pools etc.
- For wet areas like shower recesses, rooftops, etc ensure sufficient falls are provided to avoid pooling of water.

COVERAGE

Flat Roofs:

- 500 micron dry film thickness i.e. 1.1 sq. metre/litre.

Pitched Roofs:

- 370 micron dry film i.e. 1.5 sq. metre/litre.

Walls (smooth):

- 250 micron dry film i.e. 2.2 sq. metre/litre.

High Movement / Likely Cracking areas:

- 1000 micron dry film i.e. 0.5 sq. metre/litre.

Junction / Joints:

- 500 - 1100 micron dry film i.e. 0.5 - 1.1 sq. metre/litre (reinforce with nylon, polyester, fibre glass etc., fabric).

CLEAN UP

- As soon as work ceases remove excess from brush etc., and wash with water before drying begins. If partial drying occurs use M.E.K, then soap and water.
- Keep containers sealed, (plastic over surface reduces skinning in part-full containers). Store in a cool, dry area.

PACKAGING

4 and 20 litre plastic pail.

SHELF LIFE

Up to twelve months in unopened containers stored in a cool, dry place.

TECHNICAL DATA

Properties:

| | |
|-------------------------|-----------------------------------|
| Type: | Acrylic Copolymer |
| Density: | 1.35 kg / litre |
| Spreading Rate: | 1-4 m ² / litre / coat |
| Resistance to water: | Excellent |
| Resistance to acids: | Limited |
| Resistance to solvents: | Fair |
| Volume Solids: | 55% |
| Flash Point: | None |
| Film Appearance: | Low Sheen |
| Resistance to Fungi: | Excellent |
| Resistance to alkali: | Good |
| Resistance to oils: | Good |

The following is a guide to overcoating and weathering cure times at a temperature of about 20°C and a relative humidity of 40 - 60% with light breezy conditions.



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| WET COATING THICKNESS | MINIMUM TIME / HOURS BETWEEN COATS | TIME HOURS TO DEVELOP RAIN RESISTANCE | |
|-------------------------------------|---------------------------------------|---------------------------------------|------------|
| | | LIGHT RAIN | HEAVY RAIN |
| 250 microns (4m ² /L) | 1-2 | 4-6 | 8-12 |
| 500 microns (2.2m ² /L) | 3-6 | 8-12 | 18-24 |
| 670 microns (1.5m ² /L) | 4-8 | 12-16 | 24-36 |
| 1000 microns (1.1m ² /L) | 8-16 | 12-24 | 36-48 |

Optimum properties are approached after seven days. Hot or windy conditions will give faster drying. Cold or damp conditions will slow drying considerably, (like washing on a line).

Note: Two or more thin coats to obtain total thickness potentially gives more even application and faster overall weather resistance, particularly in cold conditions.

DISCLAIMER

The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. All workmanship must be carried out in accordance with AS 3740 - 1994.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

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