

# DUROPROOF™ PU 5001-6001 (AL) System

## ELASTOMERIC POLYURETHANE DECK COATING

**Duroproof™PU-5001/6001 (AL) System** is a liquid applied, moisture cured, elastomeric, waterproof coating system for parking decks, roof decks and walking decks. The system consists of:

- **Duromix™WBE Primer**- Water-based epoxy primer
- **Duroproof™PU-5001** (base coat) Moisture cured one part elastomeric polyurethane
- **Duroproof™PU-6001** (top coat) Moisture cured one part UV resistant, tough polyurethane.

### PRINCIPLE CHARACTERISTICS (SYSTEM)

- Moisture Cured (base and top coat)
- Fast curing
- Good flexibility
- Fire retardant
- Trafficable, wear resistant
- Chemical resistant
- UV resistant

### USE AREAS

Waterproofing of:

- Parking decks
- Walking decks
- Roof decks
- Balconies
- Plazas

### GENERAL

Colour Concrete Grey (6001)

Re-coat time 24 hours @ 25°C between each coat and product

5001 Coverage 1.2litres/m<sup>2</sup> [0.8m<sup>2</sup>/litre]

5001 Wet film thickness 1.2mm thick

5001 Dry film thickness 0.95mm total

6001 Coverage 2 coats each at 0.2litres/m<sup>2</sup>[5.0m<sup>2</sup>/litre]

6001 Wet film per coat 0.2mm thick

6001 Dry film thickness 0.36mm total

Total Thickness (System) 1.5mm Dry Film



### PACKAGING 5001 & 6001

- 18.9 Litre (5 gallon)

### Duromix™ WBE Primer

- 8 Litre
- 20 Litre

### Surface Preparation

1. All surfaces are to be free of contaminants such as water, curing compounds, hardeners, bond breakers, paint, etc. and firmly fixed to the manufacturers instructions. A light broom finish is recommended for concrete surfaces.
2. Except for non-movement shrinkage cracks, all other cracks and joints must be sealed with **Duroproof™ PU Sealant**.
3. All surfaces should be primed with **Duromix™ WBE**. At the rate of 3-4 mts/ltr., [0.25-.030 litres/m<sup>2</sup>].
4. All horizontal to vertical joints should reinforced with fabric by applying a coat of Duroproof™ PU 5001 and immediately embedding the fabric.

### Application

1. Duroproof™ PU 5001 shall be applied at the rate of 1.2 Litres/m<sup>2</sup> [0.8m<sup>2</sup>/litre] resulting in a Wet Film Thickness of 1.2mm..
2. After 24 hrs @ 25°C apply Duroproof™ 6001(AL) at the rate of 0.2 Litres/m<sup>2</sup> [5.0m<sup>2</sup>/Litre] to achieve a Wet Film Thickness 0.2mm per coat. If a non-slip coating is required broadcast sand over the surface and leave over night.
3. Apply a second coat after 24 hrs @ 25°C at the same rate. Prior to applying a second coat sweep or blow off loose aggregate.
4. Allow 48 hours @25°C before allowing any traffic on the finished system.

### Maintenance

Maintenance must be performed at regular intervals to provide an extended service life and must include:

1. Periodic inspections
2. Cleaning as needed
3. Repairs to movement or traffic areas when necessary such as, flashings, door thresholds, drains, etc.
4. Re-coating as needed.
5. The surface may be repaired by brushing with xylene and recoating with Duroproof™ 6001 (AL)

### PRECAUTIONS

All sheet flooring must be fixed to the manufacturers directions before membrane is applied. Do not apply above 30 °C or below 10°C ambient. **Prior to using this product refer to the current Durotech MSDS's** and only use in areas with adequate ventilation. Once PU 5001 or 6001 container has been opened, it should be used within 24 hours, since it is a moisture reactive material. It sets up when exposed to air.

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*The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed providing that it is applied in accordance with the manufacturer's instructions as stated in this data sheet and any relevant Standard or Code and provided that the building and installation is structurally sound. Durotech terms and conditions of sale apply.*