

# KUT DURAGUARD CP - I

## Polyurethane, Protective Traffic-Deck Coating System

PPC-44-0712



### DESCRIPTION

**KUT DURAGUARD CP – I** is a UV stable, multi-layered, durable, polyurethane deck coating system providing a seamless and protective, wear resistant, profiled surface. It is pigmented, allowing improved aesthetics and the demarcation of pedestrian and traffic areas, for safety and improved traffic flow.

**KUT DURAGUARD CP – I** has been tested for crack bridging in accordance with **ASTM C836**. It may consist of the following **ASPEC** products:

- **KUT DURAGUARD PRIMER** – is a high grade, low viscosity, two component epoxy resin primer and substrate sealer.
- **KUT SILICA SAND NO. 1** or **KUT SILICA QUARTZ NO. 1** – a graded, high purity quartz aggregate with a particle size in the range of 0.3 – 0.9 mm. used as a multi action: mechanical key, wear enhancer and to provide skid, resistance, it's use is the means by which thickness is attained with economy for the various wearing conditions such as: in traffic lanes, ramps and turning areas.
- **KUT DURACOAT PU GP – I** is a Multi component polyurethane coating designed for application as topcoat on traffic deck systems. It provides a UV-resistant, hard elastic surface resistant to general and vehicle related chemicals spillage and abrasion.

### USES

**KUT DURAGUARD CP – I** may be specified as a protective wear resistant membrane for a variety of applications including:

- Car park decks
- Trafficable flat roofs
- Traffic Ramps
- Plant rooms
- Sports stadia and grandstand waterproofing coatings
- Balconies

**KUT DURAGUARD CP – I** may be applied at varying thickness dependant upon quantity and rate of traffic.

### TYPICAL PROPERTIES

**Surface Preparation:** The surface to be coated must be clean, dry free of laitance, oil grease or any substance that may impair adhesion. The preferred method of surface preparation are captive blasting, surface grinding or similar.

Weak or damaged concrete must be removed, then replaced with a suitable repair compound from the **KUT** range of products. Surface defects should be repaired using **KUT EPOXY MORTAR FC** or other suitable repair compounds from the KUT range.

**Priming:** Mix and apply **KUT DURAGUARD PRIMER** surface conditioner to the prepared dust free surface at approx. 0.15 – 0.30 kg/m<sup>2</sup>. Into the wet primer, scatter 0.6 – 2.0 kg/m<sup>2</sup> **KUT SILICA SAND NO. 1** or **KUT SILICA QUARTZ NO. 1**.

**Note:** If a smooth surface finish is required, omit the aggregate scatter. Allow to cure.

#### Application Intermediate Coat:

**KUT DURACOAT PU GP** should be stirred before use to ensure uniformity of colour.

Apply by roller or airless spray to the primed tack freed surface. Apply at a minimum rate of 0.35 kg/m<sup>2</sup> per coat.

**Note:** Please refer to **ASPEC** Technical Department for project specific coverage's. Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point.

#### Application Top Coat:

**KUT DURACOAT PU GP** should be stirred before use to ensure uniformity of colour.

Apply by roller or airless spray to the tack free coated surface. Apply at the rate of 0.3 – 0.8 kg/m<sup>2</sup> (in two coats) with a minimum of 0.4 kg/m<sup>2</sup> for vehicular traffic and 0.3



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Marketed by: Alghanim Specialities Co. W.L.L.  
Amghara Industrial Area, P.O.Box: 23595 Safat, 13096 Kuwait  
Tel: 1802550 – 400 - Fax: +965 24582548 - Email: sales@spec-kw.com



kg/m<sup>2</sup> for pedestrian traffic.

**KUT DURACOAT PU GP** can be applied as a smooth coat, or as a multi coat sandwich system incorporating aggregates to give a slip resistant finish. When applying as a top coat or part of a multi coat system, do not exceed the maximum over coating times of the previous coating.

**Note:** Please refer to **ASPEC** Technical Department for project specific coverage's. Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point.

**Chemical Resistance:** **KUT DURACOAT PU GP** is resistant to acids and alkalis of medium concentration, mineral oil products and solvents. Contact ASPEC Technical department for specific details.

## PACKING AND COVERAGE

### Packaging:

**KUT DURAGUARD PRIMER** - 1 kg pack  
**KUT SILICA SAND NO. 1** - 25 kg bag  
**KUT SILICA QUARTZ NO. 1** - 25 kg bag  
**KUT DURACOAT PU GP** - 4 & 20 ltr. pack

### Coverage:

**KUT DURAGUARD PRIMER-** 0.15 – 0.30 kg/m<sup>2</sup>  
depending on surface texture and porosity.

**KUT SILICA SAND NO. 1** or **KUT SILICA QUARTZ NO. 1** – 0.6 kg – 2.0 kg dependent on application.

**KUT DURAGUARD PU GP** –  
0.32 ltr/m<sup>2</sup> per coat (anti-slip)  
0.25 ltr/m<sup>2</sup> per coat (smooth)

## STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advices consult ASPEC Technical Service Department.

## HEALTH AND SAFETY

**KUT DURAGUARD CP - I** should not come in contact with skin eyes or be swallowed. Avoid prolonged inhalation of the vapours. Some people are sensitive to isocyanates, therefore, protective gloves, goggles, and barrier creams should be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus should be used. If an accidental eye contamination occurs with any of the above products, wash well with plenty of clean water and seek medical advice immediately. **DO NOT INDUCE VOMITING.** Refer our safety data sheets before using this material.

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