

# KUT DURAGUARD CP - II

## Polyurethane, Protective Traffic-Deck Coating System For Internal Application

PPC-45-0712



### DESCRIPTION

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

**KUT DURAGUARD CP - II** has been tested for crack bridging in accordance with **ASTM C 836**.

- **KUT DURAGUARD PRIMER** – is a high grade, low viscosity, two component epoxy resin coating for mineral surfaces. **KUT DURAGUARD PRIMER** is used as a sealer or filler with or without the addition of quartz sand.
- **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 DURAGUARD MEMBRANE** is a two component solvent free polyurethane coating suitable for use in traffic coating systems to provide crack bridging and waterproofing capability. When used is a car park decking systems it will bridge dynamic cracks

### USES

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

- Car park decks
- Traffic Ramps
- Plant rooms
- Protection of concrete from the damaging effects of salt water, chemicals, fuel and oil spillage.

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

### TYPICAL PROPERTIES

**KUT DURAGUARD PRIMER:** Cured at 48 hrs @ 20°C.

Pot life @ 25°C	20 mins
Density	1.09
Bonding Strength	Greater than cohesive strength of typical good quality concrete substrate
Application time	Approx. 20 mins. at approx. 25°C
Application temperature	10°C to 45°C substrate temp.
Recoat after	Approx. 6 hours at 30°C Approx. 12 hours at 20°C

**KUT DURAGUARD MEMBRANE:** Cured at 7 days @ 20°C.

Mix ratio A : B	4 : 1 by weight
Mixed density	1.18 gm/cm <sup>3</sup>
Pot life at 20°C – 30 kg unit	45 minutes
Tensile strength DIN 53504	6 N/mm <sup>2</sup>
Elongation at break DIN 53504	100%

### Surface Preparation:

The surface to be coated must be clean, dry free of laitance, oil grease or any substance that may impair adhesion. Surface preparation should be 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 then be repaired using **KUT EPOXY MORTAR FC** or other suitable repair compounds from the KUT range.

**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 DURAGUARD CP - II** is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact **ASPEC** Technical Department for specific details.



مصنع الخصوصية لكيماويات البناء  
**SPECIALITIES CONSTRUCTION CHEMICALS FACTORY**

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



## 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 DURAGUARD MEMBRANE** - 30Kg 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** – 0.5 kg – 1.0 kg depending on application.
- **KUT DURAGUARD MEMBRANE** : From 0.5 kg/m<sup>2</sup> depending upon application.

**Thickness:** Nominal 1.0 – 3 mm dependant on application requirement.

## 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 - II** 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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