

KUT DURAGUARD MEMBRANE

A Tough Elastic Two Component Polyurethane Membrane

PPC-43-0612



DESCRIPTION

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 in car park decking systems it will bridge dynamic cracks.

USES

KUT DURAGUARD MEMBRANE is used primarily as a durable elastic membrane in polyurethane coating systems for car parks.

ADVANTAGES

- Tough
- Elastic
- Aggregate scatter does not sink through the wet coat.

TYPICAL PROPERTIES

Mix ratio A:B	5:1 by weight
Mixed density	1.47 gm/cm ³
Pot life at 25°C – 30 kg unit	25 minutes
Tensile Strength DIN 412	10 N/mm ²
Elongation at break DIN 412	60%

APPLICATION

Application Temperature: The quality of the final finish is dependent on the substrate and the material temperatures; we recommend a substrate temperature of min. +12°C and max. +35°C.

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.

Priming: The prepared surface must be conditioned to receive the **KUT DURAGUARD MEMBRANE** by the application of **KUT DURAGUARD PRIMER** surface conditioner / sealer applied at the rate of 0.15 – 0.30 kg/m² depending on the absorption of the concrete substrate.

Mixing: Mix the complete contents of the A & B components of **KUT DURAGUARD PRIMER** together until streak free.

Do not mix more primer than can be used within 15 minutes at 25°C. See catalogue of **KUT DURAGUARD PRIMER**.

Apply the mixed material by paint roller, brush or airless spray. Into the wet coating, broadcast **KUT SILICA SAND NO. 1** or **KUT SILICA QUARTZ NO. 1** at a minimum rate of 0.6 kg/m² do not apply to excess, but do not leave bald areas.

Allow to cure for minimum 5 hours with a substrate temperature of 20°C or 3 hours at 30°C. Remove loose aggregate by vacuuming cleaning or sweeping. Scrape the edge of a trowel over the surface to remove aggregate that may be standing too proud of the surface.

Mix the A and B components of the **KUT DURAGUARD MEMBRANE** together using slow speed (400 rpm) drill with a spiral mixing head. Work the mixer round the mixing pail to ensure it scrapes the side and bottom of the pail. Pour the part mixed material into a clean pail and re-mix for a further 30 seconds.

Application: Pour the mixed material onto the floor and spread at the required coverage using pin screed or trowel. Into the wet **KUT DURAGUARD MEMBRANE** broadcast aggregate **KUT SILICA SAND NO.1** or **KUT SILICA QUARTZ NO.1** to excess. Allow to cure for 48 hours at 20°C. Remove excess aggregate by sweeping or vacuuming.

Topcoat: Apply a minimum of 0.8 kg/m² (total) of **KUT FLEXI GUARD PU** or **KUT DURACOAT PU GP** may be applied as top coat in one or two applications.



مصنع التخصصية لكيمائيات البناء
SPECIALITIES CONSTRUCTION CHEMICALS FACTORY

Marketed by: Alghanim Specialities Co. W.L.L.
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PACKING AND COVERAGE

Packaging: KUT DURAGUARD MEMBRANE is supplied in 20 ltr pack.

Coverage: From 10–15m² / pack @ 1 - 2 mm dry film thickness application.

STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment. 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 MEMBRANE 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.

ASPEC endeavours to ensure that any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

Distributor