

KUT DURACOAT PU GP

Flexible protective floor coating, based on Polyurethane resins

PPC-28-0312



DESCRIPTION

A Multi component system, high solids polyurethane general purposes high performance aliphatic PU coating. Offers excellent gloss and colour retention and resistance to contaminants normally found in a car park/traffic deck situation. VOC complaint (350 – 380 g/l dependant of colour) – 1990 EPA PF6/23(95).

USES

KUT DURACOAT PU GP is used in areas where UV resistance is required and where it should be hard wearing, easily cleaned attractive floor with good abrasion resistance which makes **KUT DURACOAT PU GP** suitable for both foot and vehicular traffic. Used in production assembly areas, workshop, dairies, soft drinks production and bottling plant, kitchens, car showrooms, car parks, etc.

Provides a high protection system, to a variety of surfaces exposed to aggressive environments. Typical areas for application would include the following:

- Wherever UV resistance is required.
- Underground protection in foundations etc.
- UV resistant top coat for epoxy coatings in external areas.

ADVANTAGES

- Low cost in service - due to combination of excellent UV and good chemical resistance properties.
- Labour saving - can be applied directly onto fully cured epoxy coatings, without need for priming system.
- UV Stable - will not fade or deteriorate in strong sunlight.
- Excellent service life - resistant to chlorides and sulphate ions plus a wide range of chemicals.
- Environment friendly - water based product suitable for enclosed areas.

TYPICAL PROPERTIES

Colour:	Various
Solids (vol %)*:	63 ± 2
Flash point:	34°C ± 2 (Setaflash)
Gloss:	Glossy
Gloss retention:	Excellent
Water resistance:	Very good
Abrasion resistance:	Very good
Solvent resistance:	Very good
Chemical resistance:	very good
Flexibility:	Very good

*Measured according to ISO 3233: 1998 (E)

APPLICATION

SURFACE PREPARATIONS:

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504

Coated surfaces: Clean, dry and undamaged use compatible primer. Contact **ASPEC** Technical Department for more information.

Other surfaces: Concrete surface preparation by using dust free captive blasting units grinding equipment, sand blasting or high pressure water jetting is critical to achieving the right surface profile prior to paint application. Contact **ASPEC** Technical Department for more information.

The coating may be used on other substrates. Please contact **ASPEC** Technical Department.

CONDITION DURING APPLICATION:

The temperature of the substrate should be minimum 0°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

APPLICATION METHOD:

Spray: Use airless spray or conventional spray.



مصنع التخصصية لكيمائيات 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



Brush: Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller: May be used. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Mixing: **KUT DURACOAT PU GP** is a multi component system and must be thoroughly mixed before use. The Part A container allows for the addition and mixing of Part B and color pigment simultaneously. Pour the entire contents of Part B to Part A container using a spatula or similar. It is imperative that Part B be mixed thoroughly with Part A. Before adding pigment, scrape sides of container to ensure complete mixing of Parts A and B. With a slow-speed (500-600 rpm) drill / paddle attachment, mix 4 - 6 minutes. The paddle blade must be kept below the surface of the coating to avoid whipping air into the coating. Transfer the entire contents of the pigment can into the mixed Part A and B. Use a spatula or knife to remove all the pigment from the container. Continue mixing until uniform color is achieved.

Application Data:

Mixing ratio (volume): 5 parts comp. A (Base) to be mixed thoroughly with 1 part comp. B (Curing agent). and pigment paste.

Pot life (23°C): 2½ hours.

Thinner / cleaner: KUT SOLVENT PS

Guiding data airless spray

pressure at nozzle: 15 MPa (150 kp/cm², 2100 psi)

Nozzle Tip: 0.35 – 0.55 mm (0.015 – 0.021")

Spray angle: 40 – 80°

Filter: Check to ensure that filters are clean

Note: Detailed mixing and application instructions can be found on the relevant Product Information sheet.

Drying time:

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- Good ventilation (outdoor exposure or free circulation of air)
- Typical film thickness
- One coat on top of inert substrate

Substrate temperature	0°C	5°C	10°C	23°C	40°C
Surface dry	24 h	16h	10 h	5 h	3 h
Through dry	48 h	24 h	16 h	7 h	3 h
Cured	24 d	21 d	14 d	7 d	4 d
Dry to recoat, minimum	48 h	24 h	16 h	7 h	3 h
Dry to recoat, maximum 1					

The surface should be dry and free from any contamination or chalking prior to application of the subsequent coat.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, under laying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

PACKAGING & COVERAGE

- **KUT SILICA SAND** - 25 kg bag
- **KUT DURACOAT PU GP** - 20 litre pack
- **KUT DURA PRIME CP- I** - 1 kg pack
- **KUT BOND EP** - 20 kg pack
- **KUT EPOXY MORTAR FC** - 8 kg pack

Coverage:

- **KUT SILICA SAND -** 8 – 16 kg/m²/25 kg bag
- **KUT DURACOAT PU GP -** 7 to 10 m²/litre
- **KUT DURA PRIME CP- I -** 5– 8 m²/pack
- **KUT BOND EP -** 6- 8 m²/kg
- **KUT EPOXY MORTAR FC-** 4.5 – 4.7 m²

STORAGE

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling: Handle with care. Stir well before use.

HEALTH AND SAFETY

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

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