

# KUT FLOOR COATING GP

## High Performance Epoxy Resin Based Floor Hardening System

FLR-03-1012



### DESCRIPTION

**KUT FLOOR COATING GP** is a two component, multi application epoxy based flooring system. The standard version is available as a semi glossy impervious finish in a range of colours

**KUT FLOOR COATING GP MT** is a Matt (reduced gloss) version of the **KUT FLOOR COATING GP**. It is available in Light Grey colour only. Other colours can be made on request if quantities justify the need. The cured film is hard and has excellent adhesion to concrete, sand/cement and granolithic screeds and certain metal surfaces.

**KUT FLOOR COATING GP SF** is a solvent free version. This is available in Light Grey colour and other colours on request.

Irrespective of the version, the cured films of **KUT FLOOR COATING GP** are hard and have excellent adhesion to concrete, sand/cement and granolithic screeds and certain metal surfaces. The standard version **KUT FLOOR COATING GP** is available in Brick Red, Oxide Yellow, Phirozi Blue, Light Grey, Dark Green, Dark Grey and Clear. **KUT FLOOR COATING GP CLEAR** is an unpigmented version.

### USES

**KUT FLOOR COATING GP** is used in areas where high resistance to chemical attack is required and where it should be hard wearing, easily cleaned attractive floor with good abrasion resistance which makes **KUT FLOOR COATING GP** suitable for both foot and vehicular traffic. Used in production assembly areas, workshop, dairies, hospitals, soft drinks production and bottling plant, kitchens, car showrooms, carparks, etc. Particularly suited for wet work areas or areas of strong chemical attack e.g. plating shops, chemical process plants, dye works, etc.

Certain areas where less shine is required **KUT FLOOR COATING GP MT** is used.

**KUT FLOOR COATING GP SF** is used where thickness in the range of 0.5 to 0.8mm is required in two coats.

**KUT FLOOR COATING GP CLEAR** is suitable for application as a primer sealer and dust proofer. It can also be used

on absorptive surfaces such as marble, absorptive natural stones, terrazo etc. to provide anti-staining properties.

Stair platforms, landings and treads without finish covering shall be made "Non-slip" by using 1.2 kg of a fine abrasive aggregate for each m<sup>2</sup>. of area. Special aggregates having Aluminum Oxide contain >70% can be supplied on request.

### ADVANTAGES

**Hard Wearing:** Has a long life with low maintenance costs.

**Chemical Resistance:** Proven to have excellent resistance to a wide range of industrial chemicals.

**Hygienic:** Resistance to bacterial and fungal growth, Impervious finish provides easily cleaned surface.

**Attractive:** Available In a range of colours to improve work environments.

**Water Proofing:** Provides a waterproof surface due to impervious nature of the cured coating.

### TYPICAL PROPERTIES

The values given below for typical properties are average figures achieved in laboratory tests at 20°C. Actual values obtained on site may show minor variations from those quoted.

### PHYSICAL PROPERTIES

#### KUT FLOOR COATING GP - STANDARD VERSION / MATT & CLEAR

|                    | 20°C     | 30°C     |
|--------------------|----------|----------|
| Pot life           | 4 hrs    | 1½ hrs   |
| Tack Free Time     | 6-8 hrs  | 3-6 hrs  |
| Time between Coats | 6-24 hrs | 3-24 hrs |
| Initial Hardness   | 24 hrs   | 18 hrs   |
| Full Cure          | 7 days   | 5 days   |

#### Below 20°C these times will be increased.

Specific gravity: (Mixed material) 1.55 for colours.  
@ 25°C 1.05 for CLEAR.



مصنع الخصوصية لكيماويات البناء  
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## CHEMICAL RESISTANCE PROPERTIES

**KUT FLOOR COATING GP** is resistant to a wide range of chemicals. Specific data is available on request.

## MAINTENANCE

Regular cleaning of **KUT FLOOR COATING GP** will considerably extend the life of the floor.

## SPECIFICATION CLAUSE

Floor areas designated should be surfaced with two coats of **KUT FLOOR COATING GP** as manufactured by **SPECIALITIES CONSTRUCTION CHEMICALS FACTORY** and applied in accordance with manufacturers instructions.

## INSTRUCTION FOR USE

**Surface Preparation:** It is essential that **KUT FLOOR COATING GP** is applied to sound, clean, dry substrates in order to achieve maximum adhesion between the floor coating and substrate.

**New Concrete Floors:** New floors should normally be at least 28 days old and give a hygrometer reading not exceeding 75% RH when tested in accordance with BS 8203 Appendix A. Dry removal of laitence by light grit blasting is preferable but where this is not feasible thoroughly treat with **KUT ACID ETCH**, followed by thorough rinsing with water and complete drying. Dust/debris should then be removed by vacuum brush.

**Old Concrete Floors:** A sound clean substrate is essential to achieve maximum adhesion. Oil and grease penetration should be removed by chemical degreaser followed by light grit blasting or acid etching as for new floor.

## PRIMING

Very porous surfaces or surfaces which are damp (RH75/85%) should be primed with one coat of **KUT EPOXY PRIMER 'C'** or **KUT BOND EP**. If the surface is not damp use **KUT EPOXY PRIMER S1**. If using SF version priming with **KUT BOND EP** or **KUT FLOOR COATING GP CLEAR** is essential. This priming should be allowed to cure overnight. If this is not done, air bubbles released from the base concrete may appear as blisters after application of SF version

**Steel Substrates:** Steel substrates should be shot blasted to SA2 ½ surface quality (BS4232 - Second Quality) and primed with **KUT EPOXY PRIMER 'C'**.

**Mixing:** Before mixing the contents, each can should be thoroughly stirred to disperse any settlement which may have taken place. The entire contents of the hardener can should be poured into the base container and the materials thoroughly mixed for at least 3 minutes. Mechanical mixing using a slow speed (300-500 rpm) drill fitted with a mixing paddle is recommended.

**NOTE:** During hot weather conditions as a precaution it is recommended:

- Store material in cold condition prior to use
- Use at ambient temperature as low as practically possible
- Use mixed material within half an hour to 45 minutes or use material mixed with 5 to 10% **KUT SOLVENT EP** to improve pot life (Not recommended for SF version).

**Coating:** Apply the mixed **KUT FLOOR COATING GP** to the dry, prepared substrate making sure a continuous film is achieved using a standard paint brush or good quality lambs wool roller. Tools and equipment should be cleaned with **KUT SOLVENT EP** immediately after use.

**NOTE:** In case the substrate is porous, a coat of **KUT BOND EP** or **KUT EPOXY PRIMER 'C'** is mandatory. If it is not used patchiness with respect to gloss may be observed. If so, an additional coat of **KUT FLOOR COATING GP** should be used.

## LIMITATIONS

**KUT FLOOR COATING GP** should not be applied onto surfaces known to, suffer from rising damp or having a relative humidity greater than 75% as measured in accordance with BS 8203 Appendix A. In areas of very heavy traffic such as around work benches, drinks machines etc. it is advisable to apply an additional coat of **KUT FLOOR COATING GP**.

**KUT FLOOR COATING GP** should not be applied to Asphalt or PVC.

**KUT FLOOR COATING GP** should not be installed at temperatures below 5°C

**Storage:** Shelf life of at least 12 months if stored between 5°C and 35°C.

## PACKAGING AND COVERAGE

Coverage per pack is approximate depending upon the nature of the substrate. Two coat application is normally necessary and recommended.

**KUT FLOOR COATING GP & MT:**

5.0 kg pack – coverage 40m<sup>2</sup> per coat

**KUT FLOOR COATING GP – CLEAR:**

3.5 litre pack - coverage 40m<sup>2</sup> per coat.

**KUT FLOOR COATING GP – SF:**

5 kg pack - coverage 25m<sup>2</sup> at 0.5mm WFT.

**KUT EPOXY PRIMER 'C':**

1 kg pack - coverage 5 to 6m<sup>2</sup> per coat.

**KUT BOND EP:**

20 kg pack - coverage 6 to 8m<sup>2</sup>/kg

**KUT EPOXY PRIMER S1:**

10 litre pack – coverage 6-8m<sup>2</sup>/ltr

## HEALTH AND SAFETY

**KUT FLOOR COATING GP, KUT EPOXY PRIMER 'C', KUT SOLVENT EP** should not come in contact with skin and eyes or be swallowed. Avoid inhalation of solvent vapours. Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier cream should therefore be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus is recommended. If mixed resin comes in contact with skin it must be removed before it hardens with a resin removing cream or with soap and water. **DO NOT USE SOLVENT.** Contamination of skin with any of the above component products should be removed immediately with soap and water. Should accidental eye contamination occur with any of the above products, wash well with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - **DO NOT INDUCE VOMITING.**

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