

GP SL GUARD FC-721 HT

CHEMICAL AND ABRASION RESISTANT SELF-LEVELING EPOXY

Description

GP SL Guard FC-721 HT is a multi part, solvent free combination of epoxy resin and hardeners filled with specially graded chemically inert aggregates and unique colour pack system. When laid it provides seamless, durable and hygienic surface allowing easy cleaning.

Recommended Use

GP SL Guard FC-721 HT provides a dense, impervious, coloured and chemically resistant floor surface, which is hygienic and easy to clean. Ideally suited for clean rooms, laboratories, plant rooms, light industrial plants.

Features And Benefits

- Durable : Good abrasion resistance
- Hygienic : Provide a dense impervious, seamless floor surface, which is easily cleaned.
- Fast application : Minimises downtime.
- Chemical Resistance : Resistance to wide range of acids, alkalis and industrial chemicals.
- Attractive : Available in a wide range of shades

Physical Data

POT LIFE (at 30 degree)	: 30 mins
INITIAL HARDNESS	: 16 hrs
FULL CURE	: 7 days
THEORETICAL SPREADING RATE	: 0.5sq.m./litre at 2mm
SHELF LIFE	: 6 months

Application Instructions

Surface Preparation

It is essential that GP SL Guard FC-721 HT is applied to, sound, clean and dry surfaces in order that maximum bond strength is achieved between the substrate and the flooring system. All dust and debris should be removed prior to application of the product or its primer.

New Concrete floors

Should be at least 28 days old (moisture content should be less than 5%). Laitance deposits on new concrete floors are best removed by light grit blasting, mechanical scrubbing, grinding or acid etching. After etching the floor should be thoroughly washed with clean water and then allowed to dry.

Old Concrete floors

Again mechanical cleaning methods are strongly recommended on old concrete floors particularly where heavy contaminations by oil and grease have occurred or existing coatings are present. This may well have been absorbed several mm into the concrete. To ensure adhesion all contamination should be removed by suitable means. All dust and debris should be removed prior to laying GP SL Guard FC-721 HT

Priming

All surfaces to be treated with GP SL Guard FC-721 HT should be primed with recommended primer like GP Prime FC-707 / GP Prime FC-708. The base and hardener to be mixed in the recommended ratio and to be applied in a thin continuous film to the clean prepared surface. Work the primer into the surface using stiff brushes, roller or spray, avoid over application and puddling.

Mixing



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A suitable forced action mixer such as a paddle fitted in to a heavy duty, slow speed electric hand drill and similar equipment is recommended for mixing. The entire contents of hardner tin should be poured in to the base container and mixed thoroughly until homogeneous. It is recommended that the aggregates in the bag are blended well manually before adding to the mixed resin and hardner. Then add the aggregates slowly to the mixed resin and hardner, continue mechanical mixing for a further 2-3 minutes, until all the components are thoroughly blended. Once mixed, the materials must be used within the specified pot life. After this time, unused materials will have stiffened and should be discarded.

Application

The mixed GP SL Guard FC-721 HT should be poured onto the prepared and primed substrate as soon as mixing is complete. It should be spread to the required thickness using a serrated trowel; with care taken not to overwork the resin, spreading evenly and slowly. Immediately after laying, the material should be rolled, using a spiked nylon roller, to remove slight trowel marks, and to assist air release. The rolling should be carried out using a back and forth technique along the same path. An overlap of 50% with adjacent paths is recommended.

When it mixed with sand it gives anti-skid property & can be applied by brush or suitable roller.

Expansion joints in the existing substrate should be continued through the GP SL Guard FC-721 HT topping.

Application Data

MIXING RATIO : As per our recommendation

RECOMMENDED DFT : 1.5-2.5 mm

Additional Information

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following section of Grand Polycoats' latest Data manual:

- Guide to Product Data Sheet
- Surface Preparation Details
- MSDS

Notes

1. Application equipment should be cleaned with GP's recommended cleaning materials otherwise equipment is liable to be damage.
2. Surface temperature must always be minimum of 3°C above Dew point.
3. Shelf life indicated is minimum for this Product in sealed conditions and it is subject to re-inspection thereafter. Individual component is required to be stored in cool, dry and covered condition, away from heat and ignition.

Health & Safety

Please refer our directive sheet on Health & Safety and MSDS.

Limitation of Liability

To the best of our knowledge, the technical data in our literature are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. We make no other warranty or guarantee of any kind, express or implied, including merchantability and fitness for particular purpose. Liability, if any, is limited to replacement of the product or refund of the purchased price. Labour or cost of labour and other consequential damages are hereby excluded.



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