Technical Datasheet
Patent Pending: UK Application No. 9611907.8

PUMAINTAIN FLOOR REPAIR

DESCRIPTION
Pumaintain Floor Repair compound is a new concept for the repair of concrete and other flooring. Floor Repair is modified low odour polyurethane concrete which has been specifically designed to provide an easy-to-use,primer free compound with exceptional physical properties suitable for use in food environments.

TOUGH AND HARD WEARING
Floor Repair exhibits exceptional resistance to impact and abrasion.

COLD CURE APPLICATION
Unlike epoxy repair compounds, Joint Repair will cure at low temperatures, down to 0°C. The cure time will be extended at reduced temperatures but not in the same manner as epoxies and it is therefore ideal for the average building site repair.

SHOCK RESISTANT
Floor Repair, although exceptionally tough and hard wearing, has been designed to be slightly flexible to absorb shock. Floors repaired with Floor Repair withstand constant vibration from fork lift truck.

EASY APPLICATION
Unlike epoxy repair compounds which are sticky and difficult to handle, Floor Repair has the same consistency as a cement based mortar and can be placed and trowelled to a closed finish. Sufficient resin is present in the compound to wet out the surrounding substrate and provide exceptional bonding to most surfaces. However, porous surfaces may require priming with Pumaprime T.C.

CHEMICALLY RESISTANT
Floor Repair exhibits the highest order of resistance to a wide range of chemicals and may be used to effect repairs in chemical plants.

BONDS TO DAMP SURFACES
Floor Repair may be applied to damp but not wet surfaces without adverse effect on the bond strength.

RAPID SETTING
Floor Repair has been designed to set in 1 to 2 hour, minimising shut down times.

VERSATILITY
Floor Repair is a three pack product, two liquid components and a specially graded filler. Using all the filler gives a compound which doesn't slump and can be trowelled to a resin rich closed finish at any thickness down to a feather-edge. Adding half of the filler gives a pourable compound which can be used to fill and grout small areas which may be difficult to trowel.

SHELFLIFE
Up to 6 months dependant on storage conditions ie. Above 10ºC + a continously dry environment.

MIXING
Floor Repair is a three part polyurethane compound and should be mixed as follows:

1. Add all the contents of the container marked Part B to the contents of the container marked Part A and stir thoroughly until even in consistency. Do not attempt to split units.

2. Pour the mixed liquid into large plastic bucket provided and slowly add the filler Part C whilst stirring. Continue mixing until an even consistency throughout is achieved.

For simple mixing use a Pumamix mortar attachment on a slow speed electric drill.

Using all the filler Part C produces an easily trowellable mortar.

Using half the filler Part C produces a thinner, grout-like mortar which can be poured into smaller repairs.

SURFACE PREPARATION
Surfaces to be repaired with Floor Repair should be clean and free from any loosed materials, oils or contamination.

Floor Repair has a small percentage of water in the formulation and will tolerate application onto damp, but not wet, surfaces.

APPLICATION
Floor Repair compound can be applied using metal or plastic trowel and floats. Cleaning of tools can be carried out using a solution of hot soapy water.

CURE SCHEDULE
Pumaintain Floor Repair cures to a hard surface in 1 to 2 hours, depending on the thickness and can support heavy traffic within 3 hours.

WORKING LIFE
Floor repair is rapid setting and has a relatively short useable life of 10-15 mins. Please ensure that all areas to be repaired are ready to accept the mortar before mixing commences.

TECHNICAL DATA

Compressive strength	-	50 N/mm²
Mixed Density	-	1.94 g/cm³

COVERAGE
10kg Floor Repair covers approximately 1m² at 5mm thickness.
5kg Floor Repair covers approximately 0.5m² at 5mm thickness.

OTHER USES FOR FLOOR REPAIR
This unique and versatile compound can be used for endless applications such as:-

- Grouting and bedding ceramic tiles;
- Bonding paving and edging;
- Levelling rough surfaces;
- Bolt grouting;
- As a waterproof mortar;
- And many, many more.

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