



New Guard Coatings Group

A global reputation to protect.

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

Pumaintain Floor Repair

Polyurethane floor patching kit



Description

Pumaintain Floor Repair is a low odour polyurethane concrete which has been specifically designed to provide an easy to use floor patching compound with excellent physical properties for use on concrete and polymer modified cementitious screeds. **Pumaintain Floor Repair** is designed with the highest order of durability, impact and abrasion resistance.

Unlike epoxy compounds, **Pumaintain Floor Repair** will cure at temperatures below 5 °C. The cure time will be extended at low temperatures but not to the same degree as epoxy materials.

Ease of Application

Unlike epoxy mortar compounds which can be sticky to apply, **Pumaintain Floor Repair** has a similar consistency as a cement based mortar and can be placed and trowelled to a closed finish.

Features & Benefits

- Resin rich - easier and quicker to apply than stiffer screeds.
- Good chemical resistance.
- High abrasion resistance.
- Cures at low temperatures
- Impact resistant

Thickness

5 – 10 mm

Cure Schedule at 20 °C

Working life of full packs * 10 minutes

* Usable working life of material following mixing and immediate spreading as per the application instructions.

Finished floor *

Cure time to light pedestrian traffic	6 hours
Cure time to light wheeled traffic	24 hours
Cure time to heavy duty traffic	48 hours
Full chemical resistance	7 days

* The above cure times are approximate and given as a guide only. These times can vary due to prevailing site conditions.

Pack Size

5 kg & 10 kg packs.

Appearance

Available in natural or in a standard range of colours. Product is not UV colour stable.

Coverage*

10 kg covers approximately 1 m² at 5 mm thickness

* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

Application Conditions

Ideal ambient and substrate temperature range is 15 – 25 °C. The substrate and uncured floor must be kept at least 3 °C above the dew point to reduce the risk of condensation or blooming on the surface, from before priming to at least 48 hours after application.

Surface Preparation

Inadequate preparation will lead to loss of adhesion and failure. Surfaces should be clean and free of any loose material, oils or contamination.

Application Instructions

Priming

Pumaintain Floor Repair contains a small percentage of water and will tolerate application onto slightly damp, but not wet, surfaces. Dry, porous surfaces should be primed using **Pumaprime TC**.

Application of Pumaintain Floor Repair

Add the hardener component to the resin component and stir thoroughly until an even consistency. Decant the mixture into the plastic bucket provided and mix using a low speed electric mixer (200 - 500 rpm) gradually adding the aggregate component whilst continuing the mixing action. When all the aggregate has been added, mix for a minimum of 3 minutes until a uniform, lump-free mix is obtained. Care should be taken to ensure that any material adhering to the sides, bottom and corners of the mixer is thoroughly blended in.

Apply to pre-prepared areas to the required thickness using a steel float.

Health and Safety

Refer to product Safety Data Sheet before use.

EU Directive 2004/42/EC

Complies with category j type SB (< 500 g/l)..

Resdev Limited

Pumafloor House, Ainleys Industrial Estate
Elland, West Yorkshire, HX5 9JP, England
Tel: +44 (0) 1422 379131
fax: +44 (0) 1422 370943
info@resdev.co.uk
www.resdev.co.uk



Resin Development

Pumaintain Floor Repair

Resin rich heavy duty polyurethane floor screed

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Storage

Store off the ground in un-opened packs in a dry store, under cover between 10°C and 30°C out of direct sunlight. Protect from frost.

Shelf Life

6 months if stored in accordance with the above recommendations.

Limitations

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be, >85% or if the surface temperature is <3 °C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <0 °C during the application or within the curing period. The design strength of concrete surfaces must be a minimum of 25 MPa compressive strength at 28 days. The manufacture of **Pumaintain Floor Repair** is a batch process and despite close manufacturing tolerances, colour variation may occur between batches. Products from different batches should not be used on the same surface or surfaces close together. If mixed batches are unavoidable, it is best practice to use the different batches only in areas where the colour cannot be directly compared. Touching up should only be attempted using product from the same batch using the same application methods. Product should be reserved specially for this purpose. It is recommended that touching up is carried out up to a break in the floor or surface.

Technical Advice

For further information on this or any other Resdev product, please contact our office.

Note

The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control. Properties listed are for guidance purposes only. We reserve the right to make any changes according to technological progress or further developments.

Resdev Limited, Pumaflor House, Ainleys Industrial Estate Elland, West Yorkshire, HX5 9JP, England			
CE		13	DOP RV0030
EN 13813 SR-B1,5-AR0,5-IR20 Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations			
Reaction to fire	NPD	Impact resistance	IR20
Release of corrosive substances	SR	Sound insulation	NPD
Water permeability	NPD	Sound absorption	NPD
Wear resistance	AR0,5	Thermal resistance	NPD
Bond strength	B1,5	Chemical resistance	NPD

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