

Pumafix Adhesive

Two component polyurethane adhesive



Description

Pumafix Adhesive is a two-component, virtually solvent free, highly flexible polyurethane adhesive.

Applications

Pumafix Adhesive is suitable for the bonding of rubber crumb matting to concrete surfaces as underlayment for flexible resin flooring systems. **Pumafix Adhesive** can be applied to concrete, polymer modified cementitious screeds, steel and timber.

Features & Benefits

- Easy to apply
- Low odour
- Highly flexible

Colour

Black

Pack Size

2.5 kg and 5 kg units

Coverage*

Approximately 1.85 kg/m² per 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.

Cure Schedule at 20 °C*

Working time	20 minutes
Cure time to light pedestrian traffic	12 hours
Maximum over-coating time	48 hours
Full cure	7 days

* The above times are approximate and given as a guide only. These times can vary due to prevailing site conditions. Curing and working time is affected by temperature and relative humidity. High temperature and humidity shorten working and cure time and vice versa. Low temperature reduces the workability of the adhesive.

Application Conditions

Ambient, substrate and material temperature:

Minimum:	10 °C
Maximum:	30 °C
Ideal range:	15 - 23 °C

Maximum relative humidity:

Substrate:	75%
Atmospheric:	85%

The substrate and uncured floor must be kept at least 3 °C above the dew point to reduce the risk of condensation on the surface from before commencement of works to at least 48 hours after application.

Surface Preparation

Inadequate preparation will lead to loss of adhesion and failure. All substrates should be free from oil, grease, loose material and any contamination that may affect adhesion. Substrates should be structurally sound, clean and dry and have a minimum tensile strength of 1.5 Nmm⁻². For concrete substrates, grinding or light vacuum contained shot-blasting is recommended. Refer to the **Resdev Guide to Surface Preparation**.

Priming

Substrate relative humidity <75%: **Pumaprime SF**

Substrate relative humidity >75%: **Pumaprime DPM**

If, when cured, there are dry patches, a further primer coat is required. Allow to cure between coats. If the primer has been left to cure for >48 hours then the primer surface should be mechanically abraded and the area re-primed. Failure to do so may result in loss of adhesion.

A functioning damp proof membrane must be present within the concrete base and known to be effective.

Application

Prior to mixing, the temperature of the three components should be between 15 and 23 °C. Add the hardener component to the resin component and mix using a low speed electric mixer (300 - 400 rpm) for at least 3 minutes until homogeneous. Keep the mixing paddle fully submerged to avoid the entrapment of air and scrape the sides and bottom of the vessel several times. Decant the mixed material to a second mixing vessel and mix as above for a further minute.

Distribute the mixture immediately onto the surface using a notched trowel to achieve the desired coverage rate. Plan the work area to ensure a constant wet edge and work within the working time of the material. **Pumafix Adhesive** reacts with water causing foaming. During application take care that no sweat drops fall into the uncured material. Wear head and wrist bands during application.

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



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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).

Storage


Store off the ground in un-opened packs in a dry store, under cover between 10 °C and 25 °C out of direct sunlight. Protect from frost.

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			
		13	DOP RV0019
EN 13813 SR-B2,0 Synthetic resin screed material for use internally in buildings not subject to reaction to fire regulations			
Reaction to fire	NPD	Impact resistance	NPD
Release of corrosive substances	SR	Sound insulation	NPD
Water permeability	NPD	Sound absorption	NPD
Wear resistance	NPD	Thermal resistance	NPD
Bond strength	B2,0	Chemical resistance	NPD

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