Paco systems
SPECIALIST PAINTS FOR INDUSTRY

Repair Materials - ABP

Flexi-Joint Fill

Flexi-Joint Fill is a two-part pourable flexible joint sealant, for use in floor joints up to 25mm wide. Based on the most recent polyurethane technology, it is easy to use without the need for applicator equipment and is ideal for filling and sealing expansion joints and concrete bay joints.

Chemical Composition
Flexible polyurethane sealant in two parts used alongside a primer system.

Appearance
Mid Grey colour.

Joint Width and Depth
The relationship between the width and depth of the joint is important for this product to perform correctly. For joints up to 10mm wide, the depth should be equal to width. For joints 10-20mm wide the depth should be 10mm. For joints over 20mm wide, the depth should be half the width. Flexi-Joint Rod can be used to help fill deeper joints.

Pot Life - usable life of mixed components
Approximately 1 hour at 20^{O}C.

Curing Time
Sealed joints can accept traffic in 10-12 hours.
Full chemical cure takes 7 days.

Storage
Do NOT allow to freeze. Store at temperatures between 15^{O}C and 27^{O}C for at least 8 hours prior to use.

Coverage Rate
Flexi-Joint Fill Primer can cover up to 100m of joint length per 250ml. Data is approximate.

Joint Width mm	10	15	20	25
Joint Depth mm	10	10	10	12.5
2L unit fills the following joint length	19.5m	12.0m	9.0m	5.8m

Surface Preparation
Ensure the sides of the joint are clean and dry.
Spalled joint edges should be repaired using Epoxy Repair Mortar. The Flexi-Joint Rod should be used to reduce deeper joints to the desired depth. Flexi-Joint Fill Primer should be applied by brush to the sides of the joint and allowed to dry for approximately 30 minutes. Masking tape can be placed either side of the joint to protect the floor from over-spill.

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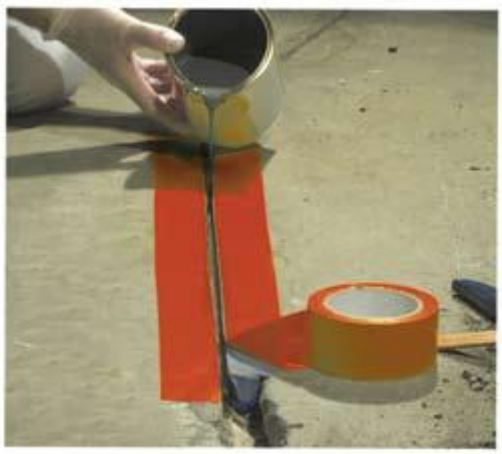
Mixing
Empty the contents of the smaller tin into the larger tin and mix thoroughly for 3-4 minutes using a wide bladed tool such as a palette knife, or a slow speed electric drill and paddle.
It is essential that this product is mixed thoroughly otherwise it will not cure properly.
Once mixed, empty the mixed product into an empty container ideally with a pouring spout as this facilitates the pouring of the product into the floor joint. Ensure **ALL** contents are scraped off the sides and bottom of the tins.
Mix for an additional minute. If a pouring jug is unavailable, crimp the rim of the empty can to help pouring.



Application
To facilitate pouring crimp the rim of the tin and pour evenly into the prepared joint, leaving the top of the sealant joint just below the surface of the floor. To remove any air bubbles that may remain, use either a flat blade or knife and run across the surface.
Before the sealant sets, remove any masking tape that was used, ensuring the tape is drawn across the sealant face so any excess falls onto the joint. This product can be used on clean concrete, sand/cement screed, polymer cement, epoxy and other resin toppings/nosings and most other common floor materials. It can also be applied to non-porous materials such as steel.

Safety
Material Safety Data Sheets are available. Food products must be removed from the area during application and cure.

The Flexi-Joint Rod should be used to reduce deeper joints to the desired depth. Available in 10m lengths with a diameter of 15mm, 20mm or 25mm.

Epoxy Verti-Patch

A two-part epoxy resin repair mortar with special lightweight fillers for repairing vertical concrete, render and stone. Epoxy Bond is recommended as a primer before using this product.

Storage
Should be stored for 8 hours prior to use at a temperature between 15^0C and 25^0C.

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Surface Preparation
Concrete and render to be treated should be dry and at least four weeks old and free of previous coatings, contaminations and loose or friable material. Dusty, powdering surfaces of concrete should be wire brushed.

Mixing
Each pack contains a resinous filler material and containers of curing agent. Mix all the curing agent containers with all the resinous filler material. Mixing should be carried out very thoroughly. Correct mixing will result in even colour and texture with no streaks. Always mix for a further 5 minutes after the mix appears to be of a uniform colour to ensure thorough dispersion of the curing agent.

Working Life
Half to one hour at a temperature range of 15^{0}C to 30^{0}C. The higher the temperature the shorter the working life. If the product is used past its working life adhesion to the surface will be greatly reduced.

Application
Apply Epoxy Bond. Allow this to become tacky then trowel the Epoxy Verti-Patch firmly onto the surface. Final smoothing should be carried out with a steel float. To prevent drag when using the trowel or float, it is advisable to wipe the blade of the tool occasionally with a rag moistened with white spirit.

Coverage
2.5kg will cover approx. 0.6m^2 at 5mm thick.

Curing Time
3 - 6 hours+ at a temperature range of 15^{0}C - 30^{0}C. Do not use below 10^{0}C. Do not subject to temperatures in excess of 60^{0}C.

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Epoxy Repair Mortar

Epoxy Repair Mortar provides thin section, fast setting (3-6 hours), granite-hard, permanent repairs to badly cracked and worn concrete or stone floors. For use anywhere that conventional mortar or other fillers will loosen or fail. Epoxy Repair Mortar is virtually indestructible and ideal for repairs to factory floors, driveways, worn and broken steps, garage floors, sills, and grouting in bolts and railings etc.
Epoxy Repair Mortar achieves full strength at only 5mm thick. For deeper repairs build up in layers not exceeding 50mm (allowing to cure between layers) or use Epoxy Repair Mortar Deep Fill.

Availability
Epoxy Repair Mortar is available in 2.5kg, 5kg and 25kg packs.

Appearance
An easily trowelled grey mortar that provides a smooth, impervious surface.

Storage
Store Epoxy Repair Mortar at a temperature range of 15ºC - 27ºC for 8 hours prior to use.

Strength
The tensile strength of Epoxy Repair Mortar is up to five times stronger than normal concrete.

Surface Preparation
Surfaces should be dry and free of contaminants and loose material. Grease or oil should be removed with Solvent Free Degreaser and the area thoroughly washed off and allowed to dry.

Application
Each pack contains a granular resinous compound and separate containers of curing agent. There is one small bottle of grey curing agent in the 2.5kg unit, two bottles in the 5kg unit and two large bottles in the 25kg unit. Mix the components on a board with a trowel according to the simple instructions on the pack until a smooth grey mortar is obtained. This is applied firmly onto the area to be repaired and finished with a trowel or float. To prevent drag it is advisable to frequently wipe the blade of the tool with a rag moistened (but not saturated) with white spirit. When using Epoxy Repair Mortar as a screed rather than a patch repair material we recommend the use of Epoxy Bond, a two pack adhesive primer.

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Coverage
2.5kg covers approximately 0.3m^2 at 5mm thick.

Working Life
The mixed working life is half to one hour depending on temperature. If the product is used past its working life, trowelling will become difficult and adhesion will be reduced.

Curing Time
Three to six hours according to temperature.
Curing time will be extended by low temperatures. Temperatures of 10ºC and below will arrest the curing of the product.

Chemical Resistance
Epoxy Repair Mortar is resistant to spillages of oils, dilute chemicals etc.

General Maintenance
When fully cured, detergents or degreasants may be used to clean the surface. Do not steam clean or subject to temperatures in excess of 60ºC.

Speed Patch

Speed Patch gives a durable, fast setting repair to damaged floors, frost spalled, eroded and cracked concrete, steps, troughs, ramps, covings etc.

Excellent Bonding Power and Fast Curing
The special polymeric, accelerated cementitious formula provides excellent bonding power. It cures quickly and is a tough, strong filler for deep pits and cracks, a bedding-in material for bolts or a thin surface screed.

Availability
10kg and 20kg units comprising primer, accelerator and dry filler.

Surface Preparation
The surface should be reasonably dry, clean and free of loose material. Smooth surfaces should be roughened. The temperature should be above 5ºC.

Application
Very dry porous surfaces should be dampened with clean water immediately prior to priming. The surface should be primed by brush with the small bottle of primer. The liquid in the larger bottle should be mixed with the dry filler to achieve a fairly dry trowellable mixture.
The mix is considerably stiffer and drier than conventional sand and cement and requires compression with a trowel to work it into the repair. Further compression causes the surface to become wetter which makes finishing easier. The normal screeding thickness for heavily trafficked floors is 10mm.

Working Life
The mixed components will remain usable for 10-15 minutes according to temperature and volume of material.

Curing
Varies according to temperature and depth of repair but may be estimated at 1 hour at a temperature of 10ºC.

Limitations
Avoid using in high temperature areas. Not suitable for feather edging in high traffic areas.

Coverage
10kg of Speed Patch will cover approximately 0.5m^2 at 10mm thick.

Storage
It is very important that the dry filler remains dry and tightly closed after use. The bottles of liquid must not be allowed to freeze.

Cleaning of Applicators
Clean applicators in cold water before the material starts to cure.

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Speed Patch Pourable Grade

A quick and easy way to fill holes in heavily used concrete floors inside and outside. No primer is required - just mix the powder with water and pour into the hole. This rapid setting concrete repair bonds to damp or dry surfaces and can be applied at thicknesses from feather edge to 100mm.

Availability
25kg unit.

Surface Preparation
Remove loose deposits, flaking paint and any contamination. Can be applied to a damp (not wet) substrate.

Mixing and Application
Mix approx 150ml - 200ml of clean cold water with 1kg of powder to produce a pourable slurry. Mixing by hand using a spatula or similar wide blade reduces air in the mix and breaks up lumps. Adding too much water can weaken the mix. Once mixed the product starts to set very quickly, so use immediately and do not mix more than can be used within a few minutes. Do not re-stir - this can produce a weakened, crumbly mix. Pour slurry into the hole. It should self-level, so trowelling is not generally required.

Curing
Pedestrian Traffic: 30-60 minutes. Heavy/Forklift Traffic: 2 hours. The above assumes a temperature of 15^{O}C or above. Curing time can be extended by low temperatures. As a guide allow 24 hours at 5^{O}C.

Pot Life
5 to 10 minutes at 20^{O}C.

Cleaning Tools
Use water before the product hardens.

Epoxy Crack Filler

Epoxy Crack Filler is a liquid epoxy resin for filling narrow cracks in concrete floors

Preparation
Cracks in concrete floors that require filling should be free from dust and debris and should be clean and dry. Expansion joints should be filled using a flexible jointing material such as Flexi-Joint Fill.

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Mixing
Empty the contents of the curing agent tin into the tin of resin and using a flat mixing blade, stir thoroughly. During mixing, scrape down the sides and bottom of the tin to avoid unblended resin / curing agent creating 'soft spots' in the cured product.

WARNING : Once mixed, the cured product will quickly become hot so insulated gloves must be worn and the product used within 20 minutes.

Application
Carefully pour out of the tin onto and along the line of the crack and level off by using a straight edge or plastic scraper. Wipe away any excess. Leave to harden for approximately 4 hours at 20OC before coating or overlaying.
The repair may be coated with any type of floor paint or high performance coating such as Epoxy Floor Paint.

Please Note
Fine cracks where a side of the floor has subsided can also be filled, but it will be impossible to achieve a flush finish. Epoxy Repair Mortar can be used to make up the difference in floor levels.

Other Uses
Small holes can be filled, due to the solvent free and non-shrink properties of this product.

Coverage
500ml will fill approximately 25 linear metres of a crack 2mm wide and 5mm deep. (Cracks will vary in dimension so figures cannot be precise.)

Pot Life (usable life of the mixed components)
20 minutes. Pot life will be reduced by higher temperatures.

Curing Time
Normally 3-4 hours at 20^{O}C. Low temperatures will extend curing time.

Limitations
Epoxy Crack Filler is intended for surface filling only and will not remedy structural or bonding problems. Cracks caused by structural movement may reappear if movement persists.
This product is not recommended for temperatures below 10^{O}C. **Please dispose of container with care in accordance with current regulations.**

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Safety information is available for all products on this datasheet
All product labels provide general safety information. Material Safety Data Sheets are available. Food products must be removed from the area during application and cure.
All products are sold subject to the Company's Standard Conditions of Sale.
The Company and its representatives are often asked to comment on potential uses of products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing by the Company.
All information is based on results gained from experience and testing and is believed to be accurate, but it is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control.

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