



Contents [[hide](#)]

- [1 Britannia Epoxy Damp Tolerant Floor Primer](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 PERFORMANCE ADVANTAGES](#)
- [5 PACK SIZE](#)
- [6 SPREADING RATE](#)
- [7 PREPARATION](#)
- [8 APPLICATION](#)
- [9 PRECAUTIONS](#)
- [10 SAFETY](#)
- [11 FURTHER INFORMATION](#)
- [12 CONTACT](#)
- [13 FAQ](#)
- [14 Documents / Resources](#)
 - [14.1 References](#)



Britannia Epoxy Damp Tolerant Floor Primer



Product Information

Specifications

- **Product:** Damp Tolerant Epoxy Primer
- **Performance:**
 - 100% Solids Epoxy
 - Inhibits water vapour transmission and isolates moisture
 - Outstanding adhesion to concrete
 - Allows early laying of floor covering
 - Low viscosity and easy to apply
- **Color:** Clear
- **Pack Size:** 4.5Kg Composite Packs (Part A Epoxy Resin, Part B – Curing Agent)
- **Spreading Rate:** 4.5Kg covers 18-27m² per coat (4-6m²/Kg per coat)
- **Drying/Curing Time:** Varies with temperature
- **Shelf Life:** 12 months from production date

Product Usage Instructions

- New concrete must be at least 4 weeks old or have moisture less than 5%.
- Clean the substrate from laitance using acid etching, mechanical scrubbing, blasting, grinding, or degreasing.
- Remove dirt, oil, grease, or surface contaminants using shot blasting, scarification, or mechanical grinding.
- Mix Part B – Curing Agent into Part A – Epoxy Resin thoroughly for at least 3 minutes.

Avoid over-mixing to reduce air entrainment.

- Apply the mixed epoxy primer using a brush, squeegee, or solvent-resistant roller. One coat is generally sufficient.
- Wash all applicators in warm soapy water before the product cures. Remove any spillages of Part A before mixing using solvents.
- Refer to the MSDS sheet for safety information
- Wear gloves, goggles, and protective clothing
- In case of eye contact, rinse with plenty of water and seek medical advice
- Avoid contact with skin; use hand cleaner or soap and water to clean splashes
- Keep out of reach of children; do not use near fishponds or empty into drains

PERFORMANCE ADVANTAGES

- 100% Solids Epoxy
- Inhibits water vapour transmission and isolates moisture
- Seals floors prone to damp
- Offers outstanding adhesion to concrete
- Allows early laying of floor covering
- Low viscosity and easy to apply

USES

- Designed for use as a basecoat to seal concrete floors against damp.
- Typically this product is used in basements, garages and any environment with damp conditions.
- Can be applied by brush, squeegee or solvent-resistant roller.
- EPOXY PRIMER IS INTENDED AS A PRIMER ONLY, NOT A WEARING SURFACE AND MUST ALWAYS BE COATED WITH AN APPROPRIATE TOPCOAT.
- NOT A SOLUTION TO RISING DAMP.

COLOUR RANGE

- Clear.

PACK SIZE

- 4.5Kg Composite Packs (including Part A – Epoxy Resin, Part B – Curing Agent).

SPREADING RATE

- 4.5Kg Composite Pack covers 18-27m² per coat (4-6m²/Kg per coat).
- One coat is generally sufficient.

DRYING/CURING TIME

- Minimum air application temperature must be above 15°C.
- Minimum flooring application temperature must be above 10°C.
- Light traffic after 24 hours at 20°C.
- Full traffic after 3 days at 20°C.
- Full cure after 7 days at 20°C.
- Recommended overcoating after 12-18 hours, depending on temperature.

DEW POINT

- Beware of condensation
- The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

Note: low temperatures and high humidity conditions increase the probability of blooming.

SHELF LIFE

- DO NOT ALLOW PACKS TO FREEZE.
- 12 months' shelf life from date of production in original unopened containers and can be stored in dry conditions between 5°C – 30°C.

PREPARATION

New Concrete Floors:

- New Concrete must be at least 4 weeks old before considering coating the substrate

or moisture less than 5%

- The substrate should be clean, free from latience which should be removed by techniques such as acid etching, light mechanical scrubbing, blasting, grinding or degreasing.

Existing Concrete Floors:

- Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification or mechanical grinding.

MIXING

- Add the smaller tin containing PART B – CURING AGENT to the bigger tin containing PART A – EPOXY RESIN.
- Ensure mixing of the combined materials is done thoroughly using a spatula, wide bladed tool and or drill-assisted paint mixing tool (on its lowest speed setting).
- PART B is a viscous product so must be thoroughly mixed with PART A.

ALWAYS ENSURE A SPATULA IS USED TO MIX ANY UNMIXED MATERIALS FROM THE SIDES OR THE BOTTOM OF THE TIN.

- It is suggested that continuous mixing is maintained for at least 3 minutes until an even colour and uniform consistency is achieved. Over mixing must be avoided to reduce air entrainment.
- DO NOT MIX MORE THAN ONE PACK AT A TIME.

POT LIFE

- Up to 30 minutes at 20°C. Greater temperatures will reduce pot life.

APPLICATION

- Store between 15°C – 25°C for at least 8 hours before use.
- The ambient temperatures of the areas should not be allowed to fall below 15°C throughout the application and curing period.
- Surface temperatures must be above 10°C, avoid surfaces temperatures above 30°C.

- Apply the first coat by brush, squeegee or short-medium pile solvent-resistant roller ensuring the product is well worked into the surface.
- Make certain that the entire surface is completely covered, pin-hole free with no gaps or cavities to prevent water migration. Once the first coat has cured after 12-18 hours depending on temperature.
- The second coat should be applied at right angles to the first within 24 hours by also using squeegee, brush or roller (a light scatter of 60's mesh dry silica sand can be applied while curing, in order to improve the inter coat adhesion of the resin topping or coating.
- DO NOT USE A WATER-BASED ROLLER.
- Do not exceed the coverage rates stated above.
- DO NOT OVER ROLL.
- Porous floors may require two coats.
- See product data sheet on High Build Epoxy Gloss
- Floor Coating for mixing, coverage, preparation and application details.

CLEANING APPLICATOR/MIXING EQUIPMENT

- Before the product cures all applicators should be washed in warm soapy water.
- Any spillages of the PART A – EPOXY RESIN prior to mixing must be removed by solvents.

PRECAUTIONS

- See MSDS sheet
- Wear gloves, goggles and suitable protective clothes.
- In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
- Remove splashes from the skin with a recognised hand cleaner or plenty of soap and water.
- Keep out of reach of children.
- Do not use near fishponds.
- Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environments.
- Do not empty into drains.

SAFETY

- Good working practice should be followed.
- The specification and coverage rates are given in good faith and are based on our experience and knowledge but without liability.
- As Britannia Paints Limited has no direct control over the methods employed by the user in applying its products, any warranty either written or implied is given in good faith and can only cover the material itself.

FURTHER INFORMATION

- There is a code of practice from FeRFA (the Resin Flooring Association) – Guide to the specification and application of synthetic resin flooring on www.ferfa.org.uk which can be consulted for general advice on preparation of substrates.
- If in doubt regarding any of the above points, please contact our technical services department for advice.
- It is the users responsibility to ensure that this data sheet is current prior to using the product.

CONTACT

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FAQ

Q: Can the epoxy primer be used as a final floor finish?

A: No the epoxy primer is intended only as a primer and must always be coated with an appropriate topcoat for a finished surface.

Q: What is the shelf life of the product?


A: The product has a shelf life of 12 months from the date of production if stored

correctly and not allowed to freeze.

Q: How should I clean up before the product cures?


A: Wash all applicators in warm soapy water and remove any spillages of Part A using solvents.

Documents / Resources

	<p>Britannia Epoxy Damp Tolerant Floor Primer [pdf] User Guide</p> <p>Epoxy Damp Tolerant Floor Primer, Epoxy Damp Tolerant Floor Primer, Tolerant Floor Primer, Floor Primer, Primer</p>
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References

- [User Manual](#)

 Britannia, Epoxy Damp Tolerant Floor Primer, Floor Primer, Primer, Tolerant Floor

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