

EASIFLOOR BINDER II

TROWELABLE FLOORING SYSTEM

DESCRIPTION

EPIREZ® Easifloor™ Binder II is a solventless high build epoxy based coating which provides excellent chemical and abrasion resistance to steel, concrete, aluminium, timber and other surfaces. This product is ideal for the preparation of easy-clean floor and wall surfaces. Please check with ITW Polymers & Fluids Technical Department for preparation of other surfaces not specified.

This Epiroz flooring system offers good chemical resistance to a variety of reagents and is acceptable for steel wheeled vehicular traffic. Easifloor™ Binder II system solves the problem of bricks and tiles failing in floors from thermal and physical stress as well as those situations where concrete is destroyed by chemical and physical attack.

Easifloor™ Binder II is supplied as a 2 part kit comprising Compound and Hardener, to complete the system requires addition of **EPIREZ® Patching & Flooring Mortar (QA2)** and **Epiroz® Colourpack** (as selected)

EPIREZ® Easifloor™ Binder II was previously named **EPIREZ® Easifloor™ II**



INTENDED USE

- Abattoirs
- Plant rooms
- Pulp mills
- Vehicle workshops
- Refineries
- Sugar refining industry
- Food industries
- Warehouses
- Bleaching areas
- Water tanks and reservoirs
- Loading ramps
- Laundries

PRODUCT FEATURES

- Excellent adhesion – adheres well to concrete with primer
- High Build – ability to restore damaged or uneven surfaces
- Anti-slip finish – provides safe, non-slip surface
- Impact resistant – can withstand mechanical abuse
- Abrasion resistant – can withstand steel wheel vehicles
- Bonds to damp surface – surface does not need be be completely dry
- Fast curing – can withstand foot traffic within 24 hours
- Wide colour range

ESTIMATING DATA

4L **EPIREZ® Easifloor™ Binder II** + 16L **EPIREZ® Patching & Flooring Mortar Aggregate (QA2)** + **EPIREZ® Colourpack** = 4m² @4mm thick.

TYPICAL PHYSICAL PROPERTIES

Solids Content	100%
Mixing Proportions	1 volume Hardener + 3 volumes Compound + 16 volumes Aggregate (QA2)
Application Temperatures	5°C - 30°C
Work Time	45 minutes at 25°C
Cure Time	24 hours at 25°C
Full Chemical Resistance	7 days at 25°C
Weatherability	Excellent
Abrasion Resistance	Excellent (withstands steel wheels)
Chemical Resistance	Excellent (suitable for most dilute acids and alkalis)
Flexural Strength	> 20 MPa
Compressive Strength	65 MPa
Tensile Strength	> 10 MPa
Tensile Bond Strength	2.7 MPa (concrete failure)
Water Permeability	1.2 x 10 ⁻¹⁶ m/s
Resistance to Chlorides	Excellent
Colours	Full range available

SURFACE PREPARATION

Concrete should be at least 28 days old. Ensure surface is clean, dry and free of additives, curing agents, oils, etc. Prepare these subfloors by acid etching and washing or captive blast cleaning as applicable to expose firmly adhered aggregate. Allow to dry if wet.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended to perform an on-the-spot adhesion test as a Quality Assurance audit if doubt exists over the process.

Priming

Prime concrete surfaces using **Epirez® Epoxy Primer/Sealer (123)** at a coverage rate of 7.5m²/litre using spray or roller. Primer should be "touch-dry" before proceeding. **Easifloor™ Binder II** system should be applied within 24 hours of priming. If this time is exceeded the subfloor must be reprimed. Keep primed surfaces clean.

MIXING INSTRUCTIONS

Prior to mixing, the subfloor area should be reviewed so that a fixed volume of mixed material can be applied over a fixed area to ensure correct application rate. Use a slow speed (400 rpm) mechanical mixer to ensure thorough mixing. Add contents of Colourpack to complete **Easifloor™ Binder II** Compound. When properly dispersed, add complete **Easifloor™ Binder II** Hardener - mix until uniform.

Transfer contents to a suitable mixing pail and add complete **Epirez® Patching & Flooring Mortar Aggregate (QA2)** slowly, while mixing, until a uniform consistency is obtained.

APPLICATION INSTRUCTIONS

Pour out the mixed composite onto the known subfloor area and apply by trowel. Wipe the trowel occasionally, but sparingly with **Epirez® Epoxy Thinner (No.3)** to assist final trowelling.

If a higher level of skid resistance is required, **Epirez® Patching & Flooring Mortar Aggregate (QA2)** should be lightly broadcast onto the fresh surface immediately after trowelling. Top coating with mixed **Easifloor™ Binder II** or **Supatuff Heavy Duty Epoxy Coating (HD)** is always recommended for increased durability of non-skid surface.

CLEAN UP

Tools and equipment may be cleaner before hardening commences by washing in **Epirez® Clean Up Solvent**. Do not use for cleaning hands or mixing with product.

STORAGE

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is two years.

PRECAUTIONS

Easifloor™ Binder II should not be applied at temperatures below 5°C.

Easifloor™ Binder II should not be applied to surfaces known to suffer from rising damp.

Epirez® Patching & Flooring Mortar Aggregate (QA2) and selected **Epirez® Colourpack** must be added.

WARRANTY

Epirez will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

DISCLAIMER

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and EPIREZ® makes no representations or warranties of any kind concerning this data.

ORDER INFORMATION

Item No.	Package Size
E991151	20Ltr

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For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website.