EPIREZ

TECHNICAL DATA

Ezirender Fairing Coat

One-Part Polymer Modified Fairing Mortar

Ezirender Fairing Coat is a polymer modified repair mortar suitable for levelling uneven surfaces, filling honeycombs and pin holes. It is a thin layer mortar specially formulated to restore appearances of honeycombed or surface impaired concrete caused by faulty form work.

Ezirender Fairing Coat can be used to reface concrete after repair. Provides a continuous, dense and smooth surface that will allow protective and other architectural coatings to be applied. This can be used as a topping or render of up to 3 mm thick to face up masonry.

This **Epirez** product offers the unique advantage of shrinkage control in both plastic and hardened states, so that repairs will maintain long term durability and form an integral part of the parent structure.

Additionally **Ezirender Fairing Coat** offers the advantage of a true one part product and requires only the addition of water.

Always seek qualified structural engineering guidance for all repairs.

Areas of application

- Repairs to honeycombed concrete
- Skim coat to concrete, mortar patches and screeds
- Topping or render up to 5mm

Features

- Feather edging possible
- Good adhesion
- Easy use (simply add water)
- High strength
- Contains no chlorides
- Water and weather proof
- No shrinkage
- Frost resistant
- Cost effective
- Non toxic

Last Modified February 2004

General properties

(**Ezirender Fairing Coat** mixed with water at 3.6 litres / 20kg bag)

Work Time	:	30 Minutes at 25ºC
Initial Set	:	3 Hours at 25ºC
Final Set	:	10 Hours at 25ºC
Yield	:	Approx 12 Litres/20 kg Kit
Compressive Strength, 1 Day	:	39 MPa
28 Days	:	46 MPa
Tensile Strength, 1 Day	:	0.6 MPa
28 Days	:	1.8 MPa
Adhesion to Concrete (Primed)	:	Exceeds Parent Tensile Strength
Water Permeability Coefficient	:	1×10^{-10}cm/sec
Chloride Ion Resistance	:	Excellent
Carbon Dioxide Resistance	:	Excellent

Estimating

20 kg Ezirender Fairing Coat = 2.4 m^2 at 5 mm thick

Application Directions

Surface preparation

Prepare concrete surfaces to remove all laitance, grease, paint and corrosion. Use high pressure water blasting or grit blasting. Provide mechanical "keys" where possible. Reinforcing steel showing signs of corrosion should be blast cleaned in accordance with **AS1627:9 - 2002** to a profile of 50 microns. Saw cut edges of repair area to a depth of 10mm to avoid feather edging. Clean repair area with oil free compressed air.

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

All absorptive surfaces to be treated with **Ezirender Fairing Coat** must be thoroughly dampened to saturate all pores. Grooves more than 5 mm deep should be prefilled with **Ezipatch Superset** or **Ezirender High Build** depending on their depth and surface orientation.

In situations where **Ezirender Fairing Coat** may be subject to continual or intermittent immersion, the parent concrete surface should be primed with **General Purpose Epoxy Mortar Binder (133)** or Non**-Sag Epoxy Mortar Binder (633)**.

Ezirender Fairing Coat should be applied whilst binder is still tacky.

Mixing

Use a low speed mixer (400 rpm) to mix **Ezirender Fairing Coat** into water. Use 3.6 to 3.8 litre water/20kg bag, add product to water and mix for 5 minutes.

Application

Apply the well mixed **Ezirender Fairing Coat** without delay to the damp surface with a spatula or trowel. Thin layers may be applied with a brush. Layers up to a maximum of 5 mm per coat can be applied.

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Curing

As **Ezirender Fairing Coat** is a cement based repair product, it should be cured in keeping with good concrete practice, such as plastic sheet, wet hessian or a liquid curing agent. Use **Maxcure Concrete Curing Compound** for proper curing practice if the coating is not being topcoated.

Cleaning

Clean tools and equipment with water immediately after use.

Limitations

Ezirender Fairing Coat should not be applied at temperatures below 5^0C

Storage and shelf life

When stored in original sealed containers under dry conditions shelf life is 12 months.

Packaging

Ezirender Fairing Coat is available in 20 kg bags.

Ordering Information:

Ezirender Fairing Coat	20 kg	E991461

Safety precautions

Ezirender High Build is non-toxic, but it is alkaline in nature. Gloves should be worn. Splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Keep contents away from children.

TDG Code: Not Classified

Note

The figures quoted for work time and setting time after mixing the components are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases we endeavour to provide typical figures for use as a guide.

Health & Safety Information

The product is hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website www.epirez.com.au .

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