



EpiMax 222AR

Acid Resistant Flooring and Lining System

Introduction

EpiMax 222AR is supplied as a two component, low viscosity solventless epoxy system, pre-packaged in correct proportions for use.

EpiMax 222AR is suitable for a variety of applications including the preparation of long lasting industrial flooring as well as general use in structural applications and concrete restoration where extreme chemical resistance is required.

The EpiMax 222AR Acid Resistant Flooring and Lining System offers a combination of application ease and extreme chemical resistance.



Systems and services that set new standards

EpiMax 222AR is also available as an element of the complete EpiMax Floor Safety Process.

The implementation of this process has the potential to reduce the risks of workplace injuries generally, reduce the human and economic cost of slip, trip and fall injuries, reduce insurance claims and costs and reduce exposure of companies, management and boards to workplace duty of care action.

Key features

- Tough and abrasion-resistant; excellent for heavy traffic
- Excellent resistance to a wide range of industrial chemicals
- Good temperature resistance
- Anti-microbial formulation
- Non flammable

Typical applications

- Wastewater facilities
- Food production
- Correctional facilities
- Paper manufacturing
- Beverage production
- Chemical production
- Wash and change-rooms
- Waste water treatment
- Mining operations
- Smelting and reduction
- Port and marine usage
- Meat processing
- Dairy production
- Sugar production
- Commercial laundries

Typical properties

- Tensile strength: >15 MPa
- Compressive strength: >40 MPa
- Flexural strength: >15 MPa
- Hardness: 70-80 Shore D

The system is resistant to splashes and spills of many chemicals:

- Sulphuric acid
- Sodium hydroxide
- Ammonia solution
- Hydrochloric acid
- Nitric acid
- Acetic acid 10%
- Lactic acid 5%
- Ethyl acetate
- Phosphoric acid 20%

Some surface staining may result from exposure to some aggressive chemicals. Good housekeeping practice will always ensure spills and splashes are quickly cleaned up and neutralized.

Installation techniques

EpiMax 222AR Acid Resistant Flooring and Lining System will only be applied by EpiMax Accredited Applicators. These applicators have been trained in the installation techniques demanded on specific applications.

Sub-floor preparation

Concrete should be at least 28 days old. Ensure substrates are clean, dry and free of additives, curing agents, oils, etc. Concrete should be at least 28 days old. Ensure it is free of all contaminants, additives, curing agents, oils, pre-existing coatings etc and is also alkaline in nature. Prepare as necessary by professional diamond grinding or captive blast cleaning as applicable to expose firmly held aggregate to CSP 5 Standard. Vacuum all dust and debris. Allow to dry if wet. Always confirm preparation adequacy.

Priming

Prime concrete using mixed EpiMax 222AR at a rate of 5 sq m/litre. Protect all newly primed surfaces and allow to harden fully, but the next stage should be applied within 24 hours of priming. If this time is exceeded the sub-floor must be reprimed.

Application

Review the area in advance so that a fixed volume of mixed material can be applied over a fixed area to ensure correct application rate. Select a slow speed (400 rpm) mechanical mixer and ensure thorough mixing. Add EpiMax 222AR Hardener to EpiMax 222AR Compound. Mix until uniform. Combine with nominated quantity and high grade aggregate/s slowly, while mixing, until a uniform consistency is obtained. Apply to prepared surface as nominated. Seal the finished surface appropriately with EpiMax 222AR or EpiMax 333AR.

General cleaning recommendations for floors

Housekeeping is critical in keeping floor surfaces safe. Vacuum, wash, scrub or sweep daily in accordance with recommendations. Mechanical sweepers and scrubbers can provide excellent results. Verify that the frequency and effectiveness of the cleaning process is appropriate for site conditions. Remove spills immediately, scrub and allow the floor to dry completely.

Packaging

EpiMax 222AR is available in 30 litre packs. It is pre-packed in correct proportions for use.
Ordering Information: EpiMax 222AR 30 litre #9022620

Safety precautions

Read **Safety Data Sheet** before commencing any application. Keep away from children. Avoid contact with skin and avoid breathing vapour. Always provide adequate personal protection (gloves & goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre. Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.

TDG Code: Hardener - UN 1760 Compound - Not Classified

EpiMax 222AR specification

The system is EpiMax 222AR Acid Resistance Flooring and Lining System as supplied by EpiMax.

The procedure for sub-floor preparation, priming, application and curing should be in strict accordance with the manufacturer's instructions as stated in the current Product Bulletin.

All statements, technical information, and recommendations related to EpiMax systems are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this system, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Any statements related to the system which are not contained in EpiMax current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorised officer of EpiMax.