



EpiMax 222 VL

General Specification Sheet

General description

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

EpiMax 222 VL is suitable for a variety of applications including the preparation of long lasting industrial flooring, general structural applications and concrete restoration.

Key features

- High mechanical properties
- Wide ranging applications
- Resistant to a wide range of industrial chemicals
- Anti-microbial formulation
- Bonds to damp surfaces
- Non flammable
- Convenient mix ratio (1 volume to 3 volumes)

Typical industries

New construction, renewal & maintenance in:

- | | |
|------------------------------|--------------------------|
| Water treatment & supply | Correctional facilities |
| Food processing & production | Paper manufacturing |
| Meat processing | Beverage production |
| Dairy production | Commercial laundries |
| Sugar production | Port & marine usage |
| Textile production | Washrooms & change-rooms |
| Chemical production | Waste water treatment |
| Warehousing facilities | Healthcare & retirement |

Typical properties

- | | |
|------------------------------|---|
| Solids content: 100% | Chemical resistance: Excellent (suitable for most dilute acids and alkalis) |
| Tensile strength: 15 MPa | Tensile bond strength: 2.7 Mpa (concrete failure) |
| Compressive strength: 61 MPa | Water absorption: 0.033% |
| Flexural strength: 17 MPa | High electrical resistance |

Preparation

Concrete should be at least 28 days old. Ensure concrete is clean, dry and free of additives, curing agents, oils, etc. Prepare mechanically by scabbling, grinding or acid etching/neutralizing/washing as applicable to expose firmly adhered aggregate. Allow to dry if wet. Always confirm preparation adequacy. Surface profile should exceed CSP 5.



Priming

Prime concrete surfaces using mixed EpiMax 222 VL at a rate of 8 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, re-prime.

Application

Select appropriate aggregate mix ratios from the following table:

Flow Characteristics	EpiMax 222 VL/Selected Aggregate Volume Ratio	EpiMax 222 VL litres/m ³	Selected Aggregate litres/m ³
Very Fluid	1:2	500	1000
Flowable Mortar	1:3	333	1000
Workable Mortar	1:4	250	1000

Use a slow speed (400 rpm) mechanical mixer and mix thoroughly. Add one volume of EpiMax 222 VL Hardener to three volumes of EpiMax 222 VL Compound. Mix until uniform. Combine with nominated quantity and grade of aggregate/s slowly, while mixing, until a uniform consistency is obtained. Apply as nominated. Seal all exposed surfaces with EpiMax 222 VL at a rate of 8 sq m/litre. Full mechanical and chemical resistance is reached in 7 days at ambient temperatures.

Packaging

EpiMax 222 VL is available in 20 litre packs including Hardener and Compound in correct proportions for use.

Ordering Information: EpiMax 222 VL 20 litre #9022920

Safety precautions

Read **Material Safety Data Sheets** 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 222 VL specification

The system is EpiMax 222 VL as supplied by EpiMax.

The procedure for 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 authorized officer of EpiMax.