

### Description

Centrecoat HB Lightweight Vertical Repair Mortar is a solvent free epoxy resin system, combined with specially graded lightweight fillers. The mixed mortar has excellent application characteristics, allowing overhead and vertical repairs to be easily accomplished.

Ideal for repairs to spalled or damaged concrete and concrete structures. Centrecoat HB Lightweight Vertical Repair Mortar is particularly suitable for vertical and overhead applications. Suitable for the repair of vertical concrete in swimming pool structures. Also ideal for the cosmetic refurbishment of old stone and brickwork.

### Features

- ▶ Excellent adhesion to substrate
- ▶ Very good abrasion and impact resistance
- ▶ High build application in vertical and overhead locations
- ▶ May be applied to damp substrates
- ▶ Impermeable and waterproof
- ▶ Chemically resistant
- ▶ Ease of mixing and application
- ▶ Good mechanical properties
- ▶ Increases effective concrete cover
- ▶ Colour matches possible

### Colour

Grey. Other colours available upon request.

### Preparation

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 3°C or less.

The substrate shall be sound, clean and free from laitance, dust, oil, grease and other contaminants. Smooth substrates should be roughened by mechanical means to form a 'key' in order to optimise adhesion. Scabbling, grit blasting, high pressure water jetting or needle gunning are satisfactory forms of preparation. Any corroded re-enforcing steel shall be abraded or grit blasted to remove all scale, rust, etc.

If application of the Centrecoat HB Lightweight Vertical Repair Mortar is to be delayed then a coat of [Centrecoat MMA Steel Primer](#) should be applied as an anti-corrosive holding primer for prepared steelwork. Please consult our Technical Department for specific advice.

### Priming

Mix and apply a coat of [Centrecoat Mortar Epoxy Tack Primer](#) in accordance with the product data sheet instructions.

### Mixing

Pour the contents of the CURING AGENT container into the BASE container and mix thoroughly by spatula or low speed drill/stirrer. The mixed resins should be poured into a forced action mixing vessel, (Creteangle bucket or similar), and the FILLER added steadily whilst the mixer is in motion. Mix for 2-3 minutes until a uniform material is achieved.

### Application

Whilst the [Centrecoat Mortar Epoxy Tack Primer](#) remains in a 'tacky' condition, i.e. within 90 minutes of application, apply the Centrecoat HB Lightweight Vertical Repair Mortar by wood float, ensuring good compaction, and then close

and finish with a steel float. Where a roughened profile is required, finish with a plastic float.

Centrecoat HB Lightweight Vertical Repair Mortar may also be placed by gloved hand for comparatively inaccessible applications. Chequer board application is recommended for larger areas of rendering. Application thickness of up to 50mm per layer may be achieved. If additional layers are required, scratch finish the first layer and then re-prime the following day prior to subsequent applications.

### Technical Information

- ▶ Specific Gravity: 1.175
- ▶ Compressive Strength: 45MPa
- ▶ Tensile Strength: 8MPa
- ▶ Adhesion To Concrete: 4MPa (Concrete Failure)
- ▶ Taber Abrasion Resistance: 40mg Weight Loss (CS17 Wheels, 1Kg Loads, 1000 Cycles)
  
- ▶ Pot Life: 50 Minutes At 20°C
- ▶ Touch Dry: 6 Hours At 20°C
- ▶ Hard Dry: 12 Hours At 20°C
- ▶ Full Chemical Resistance: 7 Days At 20°C

Centrecoat HB Lightweight Vertical Repair Mortar will have cured sufficiently after 24 hours @ 20°C to be put back into most kinds of service. 7 days cure @ 20°C will be required to ensure optimum mechanical properties and full chemical resistance.

### Chemical Resistance

Excellent resistance to 20% hydrochloric acid, 20% sulphuric acid, 10% citric acid, 25% sodium hydroxide, diesel and petrol. Very good resistance to 10% lactic acid, 50% phosphoric acid, 10% nitric acid and 5% acetic acid. Good resistance to many common industrial chemicals.

### Coverage Rate

A 5 Kg pack yields 4.25 Litres of mortar, sufficient for 0.42m<sup>2</sup> at 10mm thick. (10kg pack pro rata.)

### Clean Up

Clean equipment with [Centrecoat MMA Tool Cleaner](#) prior to curing of the mortar.

### Storage

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. Do not expose to freezing conditions.

### Shelf Life

Minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

### Packaging

Available in 5 and 10 Kg



# PRODUCT DATA SHEET

## Centrecoat HB Lightweight Vertical Repair Mortar

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### Health And Safety

Wear gloves and goggles. Wash off splashes immediately with soap and water. Any eye contamination must be rapidly irrigated with copious amounts of water, and immediate medical attention sought. Please refer to Material Safety Data Sheet for additional information.

Centrecoat HB Lightweight Vertical Repair Mortar should be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department.

See safety data sheet prior to use.