

Rev 2.2 - 26 January 2015

PRODUCT CODE - M14

INTRODUCTION

Newton 701 HB is a two-component solvent free epoxy resin based floor coating developed to provide protective and decorative properties to concrete, steel and other substrates. The material is supplied as a two pack system comprising pre- weighed amounts of BASE and CURING AGENT. After mixing together, an easily applied chemical and abrasion resistant finish is produced.



KEY BENEFITS

- Solvent free, low odour
- Provides a fully sealed surface with very good chemical resistance
- Excellent adhesion to concrete and steel
- High build
- Tough and durable
- Easily applied
- Hygienic and easily cleaned

TYPICAL APPLICATIONS

As a waterproof, tough, chemical resistant floor coating or as an internal lining for concrete or steel storage tanks containing oils, chemicals, water, etc. It is particularly suitable for chemical bunds.

Suitable for use in:

- Food preparation areas
- Breweries
- Abattoirs
- Bottling factories
- Manufacturing areas
- Industrial units
- Warehouses
- Aircraft hangers

NEWTON 701 HB	
Colour	Grey or Red
Mixed Specific Gravity	1.6
Pot Life @ 20°C	30 Minutes
Pot Life @ 10°C	60 Minutes
Tack Free Time @ 20°C	5 Hours
Hard Dry Time @ 20°C	12 Hours
Full Chemical Resistance	7 Days @ 20°C
Coverage	0.25 - 0.30 kg/m ² /
CURED PROPERTIES	
Adhesion to concrete	3.9 N/mm ²
Adhesion to steel	>12 N/mm ²
Chemical resistance	Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils. Specific advice will be can be obtained from our technical department.

APPLICATION GUIDELINES

- Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%.
- Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. Blow holes and defective concrete shall be made good using a proprietary repair compound.
- Suitable mechanical treatment, such as vacuum grit blasting, is the preferred treatment prior to application, as this ensures a mechanical "key" for the coating.
- All structural cracks should be repaired or treated.
- Any holes or indentations should be filled with a suitable filler prior to application of Newton 701 HB.
- Newly laid concrete should be smooth and not a tamped down finish.
- Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application.

MIXING

Pour the contents of the CURING AGENT tin into the BASE container and thoroughly mix, preferably by mechanical means until a uniform colour is achieved.

APPLICATION

Apply by brush, short piled roller or airless spray, at a nominal rate of 0.25 - 0.30 kg/m². After a minimum of 14 hours and before a maximum of 48 hours, apply a second coat at the same rate. Should a non-slip finish be required, then broadcast an appropriate Silica Sand immediately after the first coat. Brush off excess sand the following day, prior to applying the second coat.

NEWTON 701 HB

High Build Epoxy Floor Coating

CURING

Allow to cure for a minimum of 24 hours @ 20°C prior to light foot traffic access and 48 hours @ 20°C prior to vehicular trafficking. 7 days cure @ 20°C is recommended prior to exposure to chemicals.

LIMITATIONS

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

COVERAGE

A 5 kg pack is sufficient to coat 8.3 -10.0 m² of surface with the recommended two coat treatment, providing an overall thickness of 425 - 500 microns.

CLEANING

Thoroughly clean all tools and equipment with water after use.

PACKAGING

Newton 701 HB is supplied in 25kg, 10kg and 5kg packs.

STORAGE

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. Newton 701 HB has a minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturers instructions.

HEALTH & SAFETY

Wear gloves and goggles.

Wash off splashes immediately with soap and water.

Please refer to Material Safety Data Sheet for additional information.

Newton 701 HB shall be applied strictly in accordance with the manufacturers instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department.