

E-A-B Associates (Bayley-Edge Ltd.)

3 Craven Court, Craven Rd., Altrincham, Cheshire, WA14 5DY, England

Tel.(0)161-926 9077, Fax (0)161-927 7718, e-mail all@eabassoc.co.uk <http://www.eabassoc.co.uk>

EABASSOC PRODUCT INFORMATION

EABASSOC Hitec

Description

EABASSOC Hitec is a one-component, cold applied rubber bitumen emulsion, forming a seamless, highly elastic, waterproofing membrane. It is very easy to apply, non-hazardous and is free of solvents and plasticisers, making it suitable for both internal and external sealing work.

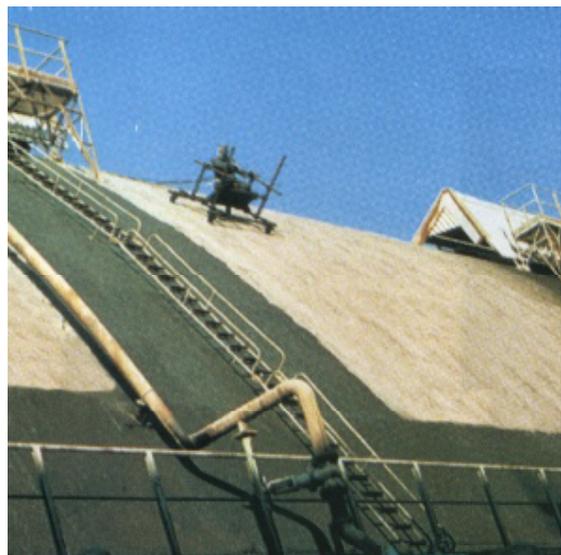
Uses

EABASSOC Hitec is used for general waterproofing and damp-proofing of large areas. However, in most situations, it is more efficient to waterproof large areas with its sister product **Spraytec**, because of the latter's unique, instant curing property and speed of application. (Please consult the **Spraytec** data sheet.) **EABASSOC Hitec** is frequently used in conjunction with **Spraytec** to cope with those parts of the work where spray application is impractical. **EABASSOC Hitec** is also frequently used for spot repairs, touching-up and patching, and for waterproofing small areas when the employment of spray equipment is not worthwhile and manual application is more practical. **EABASSOC Hitec** can also be diluted with water and used as a primer on porous surfaces.

EABASSOC Hitec can be used for underground waterproofing in well drained soil but should not be used in ground which is continuously waterlogged unless protected by a geo-drain material. Horizontal layers should be protected with geo-textile followed by a layer of mortar screed or concrete.

EABASSOC Hitec is water based and so can be applied onto damp surfaces. It can be used for tanking work in "wet" areas such as basements, bathrooms, and kitchens and for waterproofing all types of roofs, where its elasticity and resistance to UV light ensure long-term durability. It has strong adhesion to most substrates including concrete, masonry, plaster, bitumen, roofing felt, timber, metal sheeting, insulation material, and asbestos cement etc.

Photograph (right) shows **EABASSOC Hitec** used around roof furniture to avoid possible over-spray from **Spraytec**, which was then used to waterproof the main roof area.



Technical Data

Form:	Thixotropic non-ionic emulsion
Colour:	Dark brown as emulsion and black as dried membrane
Specific Gravity:	1.2 kg / litre
Solids Content:	65 % (w/w)
Application Temperature Range:	5°C to 50°C
Heat Resistance (DIN 52123):	100 °C
Cold Flexibility (DIN 52123):	-20 °C
Tensile Strength (ASTM D-412):	>0.06 MPa
Elongation (ASTM D-412) :	>1200%
Recovery at 500% elongation (ASTM D-412):	85%
Resistance to ponding water (ASTM D-2939):	No blistering. No re-emulsification. [see Note below]
Resistance to water pressure (DIN 52123):	No leak at 1 Atmosphere for 48 hours (2mm thickness)
Vapour Permeability:	2.5 g / m ² / 24 hours
Toxicity:	Non Toxic

Note – Hitec is not resistant to permanent, long term standing water.

Advantages

- * Easy and quick application
- * Excellent flexibility
- * Not harmful to the environment
- * Application onto damp surfaces and fresh concrete
- * Free of solvents and not flammable
- * Excellent weather resistance
- * UV resistant
- * Strong adhesion
- * Bridges surface stresses and hairline cracks
- * Resistant to all dilute acids and alkalis, flue gases and commonly encountered pollution
- * Temperature resistant between -20°C to +100°C
- * Blocks Radon gas

Application Instructions

Surface Preparation:

- * Surfaces should be free from dust, dirt, oil, grease, fungus growth, and other contaminants before application.
- * Absorbent substrates such as concrete and old asbestos-cement sheets should first be primed.
- * For old roofing membranes it is best to consolidate the surface with either **EABASSOC Bitumen Primer**, or a thin, diluted coat of **EABASSOC Hitec** (see “Product Preparation” below). On bare metal, usually no primer is necessary. **EABASSOC Hitec** gives corrosion protection because of its high pH value. This means it can be applied directly, even onto existing rust, after wire-brushing. Over bolt holes, open seams and movement cracks apply **EABASSOC Flashing Tape**.

Product Preparation:

- * Stir well before use.
- * Dilute **EABASSOC Hitec** 1 : 1 with water if it is to be used as a primer.

Application:

- * Apply an even coat by soft brush, roller, squeegee or airless spray.
- * A second coat can be applied after the first has become touch dry.

Drying Time:

- * Touch dry on absorbent substrates in about 1 hour, and on non-absorbent substrates, or as a second coat, in about 6 to 8 hours, depending on atmospheric conditions.
- * Fully dried at dry film thickness of approximately 2.5 mm after about 7 days, depending on atmospheric conditions.
- * To ensure proper drying do not apply the product at temperatures below 5°C.
- * **EABASSOC Hitec** has a dark brown colour. As it dries it becomes black, which indicates it has become watertight. As with all water-based coatings (except **Spraytec**), the danger of rain wash-off exists until it is dry.

Cleaning:

- * Wash brushes, rollers and spray equipment with soap and water immediately after use.
- * Fresh **EABASSOC Hitec** can be removed with water and soap.
- * Dried material is more difficult to remove; however fuel-oil, turpentine, naphtha, or chlorinated solvents can be used.

Coverage Rate

Apply at 1.5 kg / m² per coat on vertical or horizontal surfaces.

For spot repair, usually one coat is sufficient. For general waterproofing, usually 2 or 3 coats are used. If used as a primer to seal porous surfaces, 1 kg of **EABASSOC Hitec**, when diluted 1:1 with water, can cover 10 m².

Actual coverage will be determined by both the porosity and the profile of the substrate to be coated.

Warehousing

Packaging: **EABASSOC Hitec** is normally supplied in 18 kg and 200 kg UN approved metal drums.

Storage: Store between 5°C and 30°C, and always protect from freezing. If the product is frozen it is ruined. Once opened **EABASSOC Hitec** can be protected from drying out inside the drum, by placing a thin layer of water or plastic foil on top of the material.

Shelf Life: 12 months in original sealed container if correctly stored.

Health and Safety

EABASSOC Hitec is non-flammable and non-hazardous.

The product can be removed from the skin with soap and water when wet, and by using a proprietary hand cleanser when dry. In the event of contact with eyes, wash them with clean water. Ensure that good standards of industrial hygiene are followed at all times.