

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

BSP Liquid

Description

BSP Liquid is a waterbased anti-corrosion treatment for rusted steel.

Technical Data

State:	Liquid
Colour:	Brown
pH-value:	2.0
Boiling Point:	100°C
Solubility:	Water miscible
Density at 25°C:	1.01Kg/L
Toxicity:	Non Toxic. Approved for use in food and drinks manufacturing plants by Departments of Agriculture for Canada and the United States.
Flash Point:	N/A
Fire Resistance	Tested to Class "O" BS 476 Parts 6 & 7 - Passed
Drying Time:	2 to 4 hours, very dependent on the drying conditions. Full reaction time 24 hours.

Application Instructions

Surface preparation:

- * Surfaces should be clean and free from surface dirt, dust and grease. Light to medium rusted steelwork must be properly prepared by wire brush or power tools to remove loose millscale and flaky rust and paint, which is not soundly adhered.
- * Weathered marine steel plate should be high pressure water or wet abrasive blasted.
- * For the chemical reaction to commence it is necessary to expose some base metal (about 10% of the surface area.)

Product preparation:

- * BSP Liquid is supplied ready to use. Stir well before use. DO NOT THIN.
- * BSP Liquid should be stored at room temperature (20°C) for 24 hours before use.
- * When using BSP Liquid always decant into a separate container and never return surplus material to the original container.

Application:

- * Apply when air and surface temperatures are between 5°C and 30°C and the relative humidity between 40 to 90%.
- * Apply BSP Liquid when the humidity is greater than 40%. On warmer days it is recommended to damp down warm steel with a mist of water prior to application.
- * One thin, even coating applied by stiff brush is the preferred method of application. It can also be applied by deck scrubber or by spray. However, care must be taken to encourage total penetration of the rusted surface.
- * BSP Liquid can also be applied at a rate of 10% to the final rinse water in ultra high pressure water jetting applications to prevent flash rusting.
- * The changing colour of the BSP Liquid indicates that the chemical reaction is taking place. After treatment with BSP Liquid, the overall area should be navy/black in appearance. If this is not the case insufficient surface preparation has been carried out.

Drying Time:

- * BSP Liquid will normally be touch dry within 2 hours depending on the temperature and humidity. Cooler temperatures delay curing. Allow a minimum of 24 hours before overcoating with solvent based topcoats.

Cleaning:

- * Wash brushes and equipment with soap and water immediately after use.
- * Clean spraylines before BSP Liquid dries. Once dry it is difficult to remove.

Coverage Rate

Theoretical - up to 30 m²/L

Practical - up to 20 m²/L

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

Warehousing

Storage: Store between 5°C and 30°C and always protect from freezing. BSP Liquid should be kept at room temperature (20°C) for 24 hours before use.

Packaging: BSP Liquid is normally supplied in 25 litre or 200 litre lacquered UN Approved metal drums.

Health and Safety

BSP Liquid is considered to be non-hazardous. It presents no serious health risk if good industrial hygiene is exercised. Splashes to skin and eyes should be washed off immediately with plenty of water. Please refer to the Health and Safety Data Sheet for further information.

All EABASSOC product information is given in good faith, and every effort is made to ensure that it is accurate at time of issue. It is however, the responsibility of the customer to ensure that the products are suitable for the required purpose, and if in doubt sample orders should be taken for trial purposes.

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