

Description

BSSP Ultraprime has been developed for use as a primer to be used in conjunction with **BSSP** Ultracrete and Ultrascreeed.

The product exhibits outstanding adhesion to concrete and other surfaces, and has excellent chemical resistance in its own right.

BSSP Ultraprime is supplied as a two component system, comprising pre-weighed amounts of BASE and CURING AGENT components.

Typical Uses

As a primer for concrete prior to the application of **BSSP** Ultracrete, Ultrascreeed or Ultracoat.

As a protective treatment to exposed steel reinforcement or concrete, especially in aggressive chemical environments.

As a clear sealer in chemical storage tanks.

Advantages

- Low temperature cure
- Solvent free, low odour
- Excellent adhesion to concrete and steel
- Impervious to water
- Low viscosity, easily applied
- Pre-packaged units ready for use
- Exceptional chemical resistance

Typical Properties

Appearance: Amber coloured liquid of low odour

Viscosity: 1400 cps @ 20°C

Pot Life @ 20°C 25 minutes

Pot Life @ 10°C 50 minutes

Adhesive strength to concrete: 3.8MPa (concrete failure)

Packaging

BSSP Ultraprime is supplied in 1kg, 2kg and 5kg packs.

Procedure

Surface Preparation

Concrete surfaces 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.

Suitable mechanical treatment such as vacuum grit blasting or mechanical scabbling are recommended to ensure the removal of contaminants and to provide a mechanical “key” for the **BSSP** Ultraprime.

Steel reinforcement shall be abraded, wire-brushed etc. to remove all traces of rust. Priming should immediately follow preparation to obviate the possibility of flash rusting.

Mixing

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

Application

Apply by brush, roller or airless spray at a nominal rate of 0.15 to 0.30kg/m².

Ensure that the surface is thoroughly wetted out. Allow the primer to “tack up” for a minimum of 10 minutes prior to the application of **BSSP** Ultracrete or **BSSP** Ultrascreeed.

In thin section the primer will remain “open” for 90 minutes @ 20°C, within which time subsequent application should be carried out. Should this period be exceeded then the surface must be re-primed prior to continuing.

As a sealer for **BSSP** Ultracoat, if required, the **BSSP** Ultraprime may be applied following 6 hours cure of the coating @ 20°C.

Equipment Cleaning

Clean equipment with **BSSP** Toolclean immediately after use.

Curing

Touch dry after 3 hours @ 20°C.

Hard dry after 6 hours @ 20°C

Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

BSSP Ultraprime has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

3.3-5.0m²/kg depending on surface texture.

Limitations

Do not apply to uncured surfaces.

Do not apply to temperatures below 2C, or if there is a risk of frost during the initial curing period.

Health and Safety

Avoid contact of the material with skin and eyes.

Wear gloves and goggles.

Wash off splashes immediately with soap and water.

Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information.

BSSP Ultraprime shall be applied strictly in accordance with the manufacturer's instructions.

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

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on BS Specialist Products Limited current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).