



Industrial Supplier of:

Abrasives
Adhesives
Chemicals
Coatings
Equipment
Lubricants
Sealants
Silicones
Tapes

Bradechem ISO9001 Registered Firm

BC LS3000 Intumescent Coating is a water-borne intumescent coating with highest possible fire-retardant properties on wood. When subjected to heat, BC LS3000 expands and foams an insulating layer of foam.

Product Information

Product Features

- The product fulfills the following fire resistance requires; Reaction to fire. Ignitability of building products, Class B-s1, d0 according to EN 13501-1:2007+A1:2009.
- Contains film preservatives which protect paint film from mold growth.
- Once product for both interior and exterior wooden surfaces.
- To be used as a fire-retardant paint on interior and exterior wood, fibreboard, chipboard and plywood surfaces in industrial painting processes.

Technical Data

Volume Solids	46±2%
Weight Solids	44±2%
Specific Gravity	1.24kg/litre

Recommended spreading amounts and theoretical coverage;

Recommended Spreading Amounts		Theoretical Coverage
Wet	Dry	
350g/m ²	130 microns	3.5 SQM / LTR
380g/m ²	140 microns	3.3 SQM / LTR

Practical coverage rates depend on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying times;

	+50°C / RH 50%
Dust Dry, after	5 mins
Touch Dry, after	10 mins
Re-coatable, after	1 hr

The product must be dried in oven.

Drying and re-coating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Gloss Matt
Colour Shades Light Grey

Surface Preparation

Remove dirt and dust from the surface.

Note: The product is intended to be used onto dry new wood surfaces. For industrial use only.

Recommended Top Coats

BC LS Top Coat 1 (100g/m²) or BC LS Top Coat 2 (100g/m²)

Top-coating and assembling on-site: please contact Bradechem Ltd Technical Centre.

Application Conditions

The surface to be treated has to be dry. Moisture content of the wood has to be below 18% for exterior wood and below 15% for interior wood. During application the temperature of the air, surface and paint has to be over +_15°C and the relative humidity of the air between 20-60%.

Application

Stir the paint carefully before use. Avoid high speed stirring. Avoid making foam.

Exterior spruce surface:

Use 350g/m² wet paint, recommended film thickness / layer 175g/m²

Other exterior wood surfaces:

Use 380g/m² wet paint, recommended film thickness / layer 190g/m²

Interior wood surfaces:

Use 350g/m² wet paint, recommended film thickness / layer 175g/m²

Vacuum application according to manufacturer's instructions.

For airless spray, The product is not thinned. Recommended nozzle tip is 0.015" – 0.026" and pressure minimum 60-80 bar. Spray angle shall be chosen according to the shape of the object.

Fir air-assisted spraying, the product is not thinned. Recommended nozzle tip is 0.013" – 0.015" and pressure 40 – 80bar. Atomizing air pressure should be 1 – 3 bar. Spray angle shall be chosen according to the shape of the object.

Fur brush machine application, the product tis not thinned.

Wood contains resins and other colouring extractives especially in knots. Temperature and humidity fluctuations may cause paint coat discolouration in these areas.

Packing

Stacking temperature of the painted objects should be below +30°C. isolating foam should be used on stacking ready painted wood panels.

Thinners Water
Cleaning of equipment Water

VOC The Volatile Organic Compound amount is 19g/litre of paint.

Technical Service

Complete technical assistance is available. Please contact Bradechem Ltd with your requirements:
+44(0) 1224 822 227 | sales@bradechem.com

The products that we supply are for professional use only, it is your responsibility to read the technical data sheets before you place an order and prior to application of the product.

Quality: All Bradechem Ltd Products are supplied under the scopes of the company's fully documented quality system.

Warranty: Bradechem Ltd warrants that the performance of the product supplied will confirm to the typical descriptions quoted within this Technical Data Sheet provided the material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health & Safety: Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

Legal Notice: The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Bradechem Ltd accepts no liability arising out of the use of this information or the product described herein.