

PROTEGATAR BTB136 & BTB137

DESCRIPTION A single pack, thixotropic bituminous coating for brush or spray application.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Approved to Network Rail systems M27.3 and M27.4, for the repair of existing bituminous systems on rail bridges.
- ◆ Used for site application to primed structural steelwork which is to be encased or in a cavity.
- ◆ Can be applied over most Protega primers.
- ◆ Exceptionally high build.
- ◆ Brush or spray application.
- ◆ High build, economic protection for internal areas of tanks, void spaces or deck undersides where not exposed to direct sunlight.
- ◆ Suitable for application to steel and concrete pipes, bridges, gutters, cavity steelwork or where a low cost, easily applied, 'waterproof' protective coating is required.

TECHNICAL DATA

Volume solids 52 ± 2% (ISO 3233).

Weight solids 64 ± 2%.

Specific gravity 1.06 – 1.09

Product code 2742 136 (BTB136)
2742 137 (BTB137)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
100 µm	192 µm	5.2 m ² /l
300 µm	577 µm	1.73 m ² /l

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

Drying time

DFT 125 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	12 h	4 h	2 h
Hard dry	30 h	16 h	8 h
Overcoating	30 h	16 h	8 h
	Indefinite		

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

Finish Sheen

Colours Black (BTB136), Brown (BTB137).

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APPLICATION DETAILS

Surface preparation This product can be applied directly to steel, but is normally applied over a rust inhibiting primer, unless using in tanks. Consult Protega Coatings for advice.
If applying directly to steel, degrease where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general contamination prior to blasting. All sharp edges should be ground and weld spatter removed. Blast clean to Swedish Standard SIS 05 5900 Sa 2½ or British Standard 7079 equivalent by dry or wet blasting techniques.
Maximum profile 75 microns.
Should blast cleaning be impractical, degrease and prepare to Swedish Standard St2, avoiding polishing the surface when using mechanical tools.
Surface should be clean dry and free from all grease, oil and general contamination.

Application conditions Only apply in conditions of good ventilation which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.

Mixing Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Ensure complete homogeneity before using.

Application

Method	Airless spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2200 – 3200 p.s.i.	No	No	Yes	Yes
Tip Size	21 – 26 thou				

Roller application – suitable for application up to 100 microns dft.
Brush application – recommended method, suitable for application up to 150 microns dft.
Airless spray application – suitable for application up to 300 microns dft maximum.
Depending on conditions, thinning may be required for airless spray which may reduce achievable film build.
Avoid exceeding maximum stated dry film thickness.

Thinner 1050 Thinner.

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 1050 Thinner until solvent appears uncontaminated.

FLASH POINT 32 - 55°C

STORAGE Store in dry, cool conditions and protect from frost.

VOC Volatile Organic Compound content: 387 ± 20 gm/ltr, varies with colour.

HEALTH AND SAFETY Containers are provided with safety labels, which should be observed.
Further information about hazardous influences and protection are detailed in individual health and safety data sheets.
A health and safety data sheet is available on request from Protega Coatings Ltd.

PRODUCT NOTES This product will not resist solvents.
Do not overcoat with other generic groups.
Product will soften at temperatures in excess of 60°C.
Do not apply in areas of direct sunlight.