



BERGER Protecton PROTECTIVE COATINGS

Ferrotol No. 1 Boiler Compound

USES

Recommended for use inside boiler drums, evaporators, tubes, water walls, economisers, steam accumulators, clarifiers, steam turbine casings and other similar equipment operating with water or steam at elevated temperatures.

SCOPE

An anticorrosive composition for 'hotwet' metal surfaces. Renders excellent performance in continuous contact with hot water and steam above 100° C. The coating largely simplifies cleaning and descaling operations.

PRODUCT DATA

Type : Single Pack

Composition : Graphite in bituminous medium

Application : Brush

Recommended DFT : 35 microns per coat

Corresponding WFT : 78 microns per coat

Theoretical Spreading Rate : 12.9 Sq. Mtr./Ltr.

Drying Time :

TOUCH : 6-8 hours
HANDLE : Overnight

Curing : It is essential that the coating is cured thoroughly to render optimum performance. After 24 hours air drying, fill with water and raise temperature to 100° C for a minimum of eight hours. This bakes Ferrotol into the substrate producing an inert, insoluble and impermeable film.

Overcoating Interval :

MIN : Overnight

Flash Point : Above 30° C

Colour : Black

Packing : 20 Ltrs. & 4 Ltrs.

Thinner/Cleaner : Thinner 800

Finish : Matt

Storage Life : Upto twelve months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

RESISTANCE GUIDE

Chemical Resistance :

EXPOSURES	IMMERSION
Acids	Fair
Alkalis	Fair
Solvents	N/R
Salt	Good
Water	Excellent

Temperature Resistance : Upto 540° C wet heat

Weatherability : Not recommended for exterior conditions

Flexibility : Good

Abrasion Resistance : Excellent

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SURFACE PREPARATION

Make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces. The surface should be clean and dry before application of Ferrotol No. 1 Boiler Compound.

APPLICATION

Mix the contents thoroughly before and during use.

Brush : Apply, without thinning, to the recommended dry film thickness. No primer should be applied. Apply first a thin coat directly on to the metal surface. Work well into the surface and ensure all corners, edges, welds, nuts/bolts are covered.

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat
Steel	Ferrotol No. 1 Boiler Compound	Ferrotol No. 1 Boiler Compound

Notes :

1. Minimum water temperature must be achieved or the coating will not function correctly. Low temperature operation can cause rusting, flaking and/or blistering.
2. Do not apply when temperature falls below 10° C or rises above 50° C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
3. Adequate ventilation must be provided when applying Ferrotol No. 1 Boiler Compound particularly in confined spaces. Smoking or naked lights should not be permitted and flameproof equipment should be correctly earthed.

Health & Safety : Please refer to the separate Safety Data Sheet available with detailed information.

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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