



HARDCOTE* SF800

Water-based coating for green sand moulds

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Introduction

Traditionally, green sand moulds have not generally been coated. However, the growing need for an effective coating solution to improve cast surface quality has led to the development of HARDCOTE SF800.

Specifically designed for high-speed production lines commonly used in the manufacture of grey and ductile iron castings, and occasionally other alloys, this innovative product integrates seamlessly into the production environment, enabling the surface coating of moulds without compromising productivity.

In comparison, traditional systems based on phenolic resin dissolved in solvents present environmental concerns and hazardous working conditions. These systems typically require post-application drying, which can lead to scabbing and loss of productivity.

Foseco's HARDCOTE SF800 provides an efficient, cost effective and environmentally responsible solution for improving the surface finish of green sand moulds.

Product Description

Unlike traditional refractory coatings which require drying after application or use solvents that evolve VOC's, HARDCOTE SF800 is a newly developed water-based product. It is applied as a fine spray to the green sand mould surface and rapidly forms a protective layer that does not require drying and therefore does not disrupt the production process.

Benefits

- + Water based coating
- + Non-hazardous
- + Easy and fast application
- + No need for drying – pouring within 10 minutes
- + High refractoriness
- + Great performance against mould erosion
- + No metal penetration – improved casting quality



Casting from coated mould



Casting from uncoated mould



Spraying application



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Foseco International Limited
Drayton Manor Business Park,
Tamworth, Staffordshire,
England B78 3TL
Phone: +44 (0)1827 262021
Fax: +44 (0)1827 283725
www.foseco.com
Please contact your local Foseco team