SE68®

Coated repair electrode pure nickel

The **SE68® coated electrode** is a **basic-coated hardfacing electrode** with a **very high efficiency (240%)**.

It is specifically designed to provide **exceptional resistance to extreme abrasion**, while also offering **good impact resistance and stability at moderate temperatures**.

PROPERTIES & APPLICATIONS

The BMI SE68® electrode is a **high-efficiency electrode (240%)**, depositing a **steel with a very high content of carbide-forming elements**. It is specifically designed for **hardfacing parts exposed to extreme abrasion**, combined with **impact and moderate temperatures**.

Its **abrasion resistance remains intact up to 550°C** in service, without significant degradation. It offers **excellent weldability**, smooth fusion with **minimal spatter**, and **almost no slag**.

Perfectly suitable for **multi-layer applications**, the **BMI SE68® electrode** ensures **homogeneous fusion, good metal spread with almost no slag, and a very smooth bead**. The formation of cracks in the deposited metal is **normal for this type of product and does not affect its performance in service**.

This electrode has been **specifically developed for wear-resistant hardfacing of parts exposed to extreme abrasion**.

It is particularly suited for **steel mills, crusher components, dredging buckets**, and more generally, **all parts subjected to extreme abrasion**.

It can also be used for **hardfacing of augers, mixer blades, pump bodies handling abrasive materials, excavator bucket teeth, concrete pumps, plowshares, clod breakers, brick press screws, and wear-resistant plates**.

MECHANICAL CHARACTERISTICS OF THE DEPOSITED METAL

Hardness 1st Layer	Hardness 2nd Layer
~ 64 HRc	~ 68 HRc

WELDING PARAMETERS

Ø x L (mm)	3.2 x 350	4 x 350
Intensity (A)	130-150	160-190

Electrode Baking: 300°C for 2 hours, if necessary.

PACKAGING

4.5 kg Boxes

Groupe BMI
28 Rue de la Mairie Le Puiset-Doré
49600 Montrevault-sur-Evre (FR)

Contact Details
+33 (0)2 41 75 69 00
contact@marybmi.com