

BARRA[®] FER S

Anti-corrosion coating for reinforcing steel

DESCRIPTION

BARRAFER S is a cementitious, ready-to-use 2-component compound based on a special synthetic resin dispersion. It is used for the protection of steel reinforcement in concrete against corrosion.

RECOMMENDED FOR

As a result of its high alkalinity level and excellent barrier effect against thawing salts and acidic gases (CO₂/SO₂), **BARRAFER S** protects reinforcing steel against corrosion.

FEATURES AND BENEFITS

- lasting barrier against corrosion
- non-flammable, no special precautions
- cement-based
- excellent adhesion to steel
- waterproof
- resistant to CO₂ and salts
- high alkalinity level
- non-toxic
- does not act as bond breaker
- ready-to-use

Mixing of the two components yields a thixotropic compound that is easy to apply to the reinforcing steel with a brush.

The compounds synthetic resin dispersion provides excellent adhesion to steel and concrete. **BARRA** ready-to-use repair mortar (**BARRA 80**, **BARRA 82/84**, **BARRAFILL**) as well as all other cementitious or epoxy mortars adhere excellently to the cured **BARRAFER S**.

PROPERTIES

	Component A	Component B
Supply form	liquid	powder
Colour	milky white	orange red
Specific gravity	1.03 kg/l	
Bulk weight		1.11 kg/l
Storage temperature	- sensitive to frost	moderate
Application temperature	not below +5°C	
Physiological effect	neutral	same as cement
Toxicity	nontoxic	nontoxic

Pot Life

The working time of **BARRAFER S** depends on the temperature:

about 1 hour at +20°C about 1/2 hour at +30°C

APPLICATION

Surface preparation

Deteriorated parts of concrete around rusting reinforcement have to be removed down to the sound concrete. The clean substrate must be alkaline (pH above 10), free of harmful salts and free of oil, rust, dust or other contaminants. Remove all rust strains thoroughly from the reinforcing bars after they have been laid bare. Sandblasting or the use of scaling tools is strongly recommended to guarantee a proper job.

Mixing

Fill Component A (milky liquid) into a pail and slowly add Component B (orange-coloured powder), stirring constantly with a low speed drill until a homogeneous, lump free compound is obtained.

Placing

Immediately after the removal of the rust, coat the reinforcement with **BARRAFER S** all around using a brush. Apply two layers to achieve a total thickness of 1-2 mm. The second layer can be applied as soon as the first is dry enough to be wiped.

As **BARRAFER S** adheres excellently to concrete and mortar, the concrete surface around the reinforcement must not be protected during application. Patching mortar can be applied to restore the section, as soon as the **BARRAFER S** has cured, but do not wait longer than 3-4 days.

CLEANING

BARRAFER S is a cementitious product. Tools should be cleaned with water before the material hardens.

PACKAGING

In units 7.2 kg (Component A, 2 kg, Component B, 5.2 kg)

SHELF LIFE

BARRAFER S can be stored in tightly closed original packages for 12 months, if kept frost free and dry.

Once frozen, Component A becomes unusable.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **MBT** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user, is responsible for checking the suitability of products for their intended use.

NOTE

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