



The Chemical Company

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.

FIELDS OF APPLICATION

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	1.11 kg/L
Storage temperature	Sensitive to frost	Moderate
Application temperature	not below +5°C	

Pot life	1 hour @ +20°C ½ hour @ +30°C	
Physiological effect	Neutral	Same as cement
Toxicity	Non-toxic	Non-toxic

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 slats and free of oil, rust, dust, or other contaminants. Remove all rust stains 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, 2kg; Component B, 5.2 kg).

SHELF LIFE

BARRAFER S can be stored in tightly closed original packaging for 12 months, if stored in a dry & enclosed place without exposing to direct sunlight and frost.

Once frozen, Component A becomes unusable.

BASF Construction Chemicals offices in ASEAN

Singapore

Tel : +65-6861-6766
Fax : +65-6861-3186

Malaysia

Tel : +60-3-5628-3388
Fax : +60-3-7847-6781

Indonesia

Tel : +62-21-893-4339
Fax : +62-21-893-4342

Thailand

Tel : +66-2204-9427
Fax : +66-2664-9267

Vietnam

Tel : +84-650-743-100
Fax : +84-650-743-200

Philippines

Tel : +63-2-889-4321
Fax : +63-2-889-4361



The Chemical Company

BARRA[®] FER S

PRECAUTIONS

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

1-1-2-0108

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** 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

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.
