



PRT.0116

## PROTECH OXICROM

Ferrous oxide compound for  
concrete, plaster and paint  
pigmentation

### Customs Code

2821 1000

### Packaging

- Bag 25 kg

### Application

- To be added to other  
components

Family  
**Protech**

Product Lines

- Building
- Infratech
- Opus
- Sanageb
- Floor

Components  
**Single-component**

Type  
**Coloured clays and pigments**

Functional Categories

- Construction of high performance industrial concrete floors
- Protective coating (plasters)
- Protective varnishing (painting)
- Construction of concrete floors with the technique of the 'washed gravel'

Appearance  
**Powder**

## General description

PROTECH OXICROM is an inorganic oxide/hydroxide based powder compound. Added in appropriate quantities and homogeneously distributed, it is ideal for the pigmentation of cement or similar conglomerates, plaster and paint. PROTECH OXICROM oxides are available in yellow, red, brown, green, blue and black.


## General features


Ferrous oxides have been used since ancient times for colouring paints. The main ferrous minerals from which the pigments are obtained are, of course, iron and its derivatives and compounds. The main colours of these pigments are dark gray/black in relation to ferrous oxide derivatives, and classic rusty red in relation to ferric oxide derivatives. Other more complex compounds may have colourings of yellow, orange, red and brown.


## Fields of application


PROTECH OXICROM is ideal for the pigmentation of concrete for architectural and industrial floorings of washed gravel, shotcrete and exposed stone tiling, as well for the formulation of dyes and paints.

## Basic features

 Consumption (% by weight of binder):  
3-10 %

 Shelf-life:  
12 month

 Temperature of use:  
+8 / +30 °C

 Available colours  
Request available colors

## Tools cleansing

- Water

## Applicable on

- Plasters
- Concrete
- Cement-based or lime-based mortars

## Instructions for use

The use of PROTECH OXICROM ferrous oxide compounds is extremely simple: in the case of concrete, cements, mortars, plasters and so on, the pigment must be gradually and uniformly added to the mixer and mixed until a homogeneously coloured mixture is obtained. The indicative dosage of approximately 3-10% of the weight of the mixture to be pigmented should be varied according to the desired colour intensity.

## Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.



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Updated: **24/08/2020**

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## Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

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It is forbidden to dispose of the product and/or packaging in the environment.

*PROTECH OXICROM is produced/distributed by*



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