

# MasterColor 100

Powder dyes based on mineral oxides for the production of cement-based products.

## Description and Where to Use

MasterColor 100 is a line of mineral oxide-based powder dyes, for the processing and production of cement-based products. The products of the MasterColor 100 line are listed in the table below:

Product	Density (g/ml)
Red	4.9 – 5.1
Red Brown	4.9 – 5.1
Brown	4.9 – 5.1
Jellow	4.0 – 4.3
Orange	4.0 – 4.3
Black	4.7 – 5.0



The MasterColor 100 line can be used in ready-mix architectural, in prefabricated structures and for the construction of wet earth concrete products. Compliant with EN 12878.

The use of MasterColor 100 is recommended for:

- paving and areas of urban or private traffic (pedestrian areas, squares, parking areas, sidewalks, external stairs, private or condominium outdoor flooring, garage slides, etc.),
- production of elements for gardening and urban furniture with exposed aggregates,
- architectural concrete.

## Directions for use

The homogeneity of the color in the colored concrete depends on the homogeneity of the dispersion of the dye itself. It is advisable to mix aggregates and colorant well and then to add cement and water to the mix.

The coloring in concrete depends on:

- dosage of colored oxide,
- cement dosage,
- staining of concrete,
- nature and quantity of fines deriving from sands,
- water – cement ratio.

It is advisable to carry out test mixes to study and fine-tune the desired color of the final product. Furthermore, the color may vary during the early ages curing period.

## Compatibility

When preparing concrete with MasterColor 100, it is recommended to use:

- high efficiency water reducing additive from the MasterGlenium, MasterEase, MasterSure line.

## Dosage

The dosage can vary from 0.5 to 6% by weight on the weight of the cement.

## Packaging and storage

MasterColor 100 dyes are available in 25 kg paper bags for red, brown, black, yellow and green and 20 kg for orange. For all colors 4 kg water soluble paper bags are also available, in a box of 4 pieces (16 kg).

Once the package has been opened, it is advisable to keep the contents in a dry place. In closed package and dry place, MasterColor 100 have no expiry date.

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## Handling and transportation

No special precautions are required when using MasterColor 100.

However, the use of gloves, mask and protective goggles are very recommended. For more information, consult the Master Builders Solutions area technician.

## Safety instruction

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

## Other services

For additional technical information, brochures, references, technical reports and technical support please visit [www.master-builders-solutions.com/it-it](http://www.master-builders-solutions.com/it-it) or alternatively contact [infomac@masterbuilders.com](mailto:infomac@masterbuilders.com).

Scan QR code to visit the product page and download the latest version of this technical data sheet and any additional documentation.



## Disclaimer

Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.

Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.

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