



# Murasan Color L

## Liquid pigments for coloring of concrete

### Key features

- homogenous suspension of inorganic high-grade iron oxide
- intensive yellow, orange, red, brown and black colors
- easy and reliable color control
- extensive range of color options
- short mixing time
- ready-to-use
- chemically resistant
- no color change due to weather and UV radiation

### Areas of application

- cement and lime based mineral construction materials
- precast concrete
- concrete goods production (paving stones and tiles, palisades, noise barriers etc.)

### Application notes

Murasan Color L are ready-to-use liquid pigments for coloring of concrete and other mineral construction materials. An extensive range of red, orange, yellow, brown and black color shades is available.

The final concrete color is dependent on a number of factors. First of them is pigment dosage. For Murasan Color L, the recommended dosage is 4-8 % of binder by weight. Volumetric dosing is not advised. The amount of binder and its color tone can influence the final color as well. Excess mixing water causes increased surface porosity, which changes the way light reflects off the surface and leads to more washed-out colors. Last but not least, the quality of compaction and curing of colored concrete can improve the color uniformity and intensity.

Before using, Murasan Color L should be homogenized using agitation or circulation.

It is recommended to add Murasan Color L to dry aggregate (sand and gravel) before the addition of cement and water and dry mix for at least 25-40 seconds. This guarantees the best possible pigment color intensity and uniformity.

This product is not classified as hazardous according to the EC directives, regulations on hazardous substances and forwarding instructions. The generally accepted precautions for handling chemicals must be followed. The corresponding Material Safety Data Sheet is available upon request.

Optimal pigment type and dosage should be determined experimentally via preliminary laboratory tests.



### Technical properties of Murasan Color L

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	1.45 – 2.00	depends on color
Recommended dosage	g	40 – 80	per kg of cement
Max. chloride content	weight %	0.10	
pH	-	5 – 11	depends on color
Usability	°C	> 1	
Frost resistance	°C	≥ -8	with optional winter additive

### Product characteristics

Product type	Liquid pigments for coloring concrete acc. to EN 12878
Product name	Murasan Color L
Color	Red, orange, yellow, brown, black; see color chart or sample
State	Liquid / slurry
Homogeneity	Homogenous, agitate or circulate before use
Chemical base	Iron oxide
Shelf life	Approximately 6 months when storage conditions are met.
Storage	Store under cover in dry environment. Protect from direct sunlight and extreme temperatures.
Form of delivery	30 l jerry-can 200 l barrel 1000 l container

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

**Note:** The information on this technical data sheet is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, the specific application and especially to local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to such a review, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed.



Issue 10/19. This data sheet has been technically revised. Previous versions are now duly superseded and may no longer be applied. Any further technically revised edition supersedes this version, rendering it null and void.