

Murasan Color G+

Granulated pigment for colouring of concrete acc. to EN 12878



PRODUCT PROPERTIES

- High-grade granulated pigment
- Based on inorganic metal oxides
- Eye-catching black, red, yellow and white colours
- Ready-to-use
- Rapid and uniform dispersion for intensive and even colour
- High chemical resistance and UV stability

AREAS OF APPLICATION

- Construction materials based on cement and lime
- Both ready-mix and precast concrete production
- Especially feasible for the production of concrete goods (paving stones, kerbstones, palisades etc.)

APPLICATION ADVICE

Murasan Color G+ is a line of metal oxide-based granulated pigments of the highest quality, made possible by a cutting-edge granulation process, for colouring mineral construction materials, particularly concrete. It comes in four basic colours: black, red, yellow, and white. Multiple shades are available for certain colours.

White cement and washed, light-colored aggregate are recommended for truly vibrant colours. This is especially true for Murasan Color G+ White, but it also applies to the others.

Several factors influence the final concrete colour. The most obvious is the amount of pigment used. We recommend a dosage of 1-5% binder by weight for Murasan Color G+. Higher dosage does not always result in proportional colour improvement. The colour tone can be influenced by the total amount and tint of the binder component (cement, fly ash, and other fine additives). Too much mixing water causes increased surface porosity, which alters how light reflects off the surface and results in washed-out colours. Last but not least, the quality of coloured concrete compaction and curing can improve colour uniformity and intensity.

It is recommended that Murasan Color G+ be added to the dry aggregate (sand and gravel) prior to the addition of cement and water, and that the mixture be dry mixed for at least 45 seconds, or until all visible pigment agglomerates disappear. This ensures the best possible pigment distribution and, as a result, colour intensity and uniformity.

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

Preliminary laboratory tests should be used to determine the best pigment type and dosage.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	4 - 5	depends on colour
Recommended dosage range	mass %	1 - 5	per kg cement
Chloride content (maximum)	%	0.1	
Application conditions	°C	> 1	
PH value		3 - 10	10 g of pigment in 100 g of water, depends on colour
Type of admixture	Granulated pigments for colouring concrete acc. to EN 12878		
Colour	black, red, yellow, white		
Form	Solid; Granulate		
Delivery form	25 kg paper bag 1000 kg Bigbag		
Storage	Can be stored in cool and dry conditions for at least 24 months in original unopened packs.		

Note: The information contained in this data sheet is based on our experience and is 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, to the specific application and to non-standard 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 this prerequisite, 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. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018749]