

Murasan Hydrotech 22

Hydrophobic admixture for concrete goods



PRODUCT PROPERTIES

- Reduced water absorption
- Improved concrete surface texture
- Minimised tendency to effloresce
- Improved pigmented concrete colour
- Easier to clean surface when dirty
- Enhanced resistance to frost and de-icing salts
- Chloride-free

AREAS OF APPLICATION

- High quality semi-dry (no slump) concrete goods
- Pigmented concrete goods

APPLICATION ADVICE

Murasan Hydrotech 22 is a semi-dry concrete admixture specifically designed to reduce the capillary water absorption of hardened concrete, thereby prolonging both the physical and visual durability of concrete goods. The admixture is compatible with a wide range of cement types and can be used in combination with other concrete admixtures such as compaction aids.

The hydrophobic molecules of Murasan Hydrotech 22 line the inner surfaces of the pores and capillaries of hardened concrete, preventing non-pressurised water from entering the cement stone, thus preventing a wide range of mechanical damage - such as spalling due to frost and de-icing salts, carbonation and sulphation, microbial growth and others - as well as purely aesthetic damage such as efflorescence and surface contamination. As a result, concrete lasts longer and looks better, especially when coloured with pigments.

For the most effective use of Murasan Hydrotech 22, it should be added to the concrete mix as the last component after the water has been added. It should not be added to the dry aggregates. For proper distribution and maximum effectiveness, the concrete should be mixed for at least 60 seconds after the admixture is added. It is essential that these steps are followed carefully to achieve the desired results.

Please note the "General Information on the Use of Concrete Admixtures".

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.01	± 0.02 kg/dm ³
Recommended dosage range	g	2 - 20	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 2.5	mass fraction

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Designation of admixture	Murasan Hydrotech 22
Self-monitoring	EN ISO 9001
Colour	white
Form	liquid
In-company production control	EN 934-6
Notified body	Karlsruher Institut für Technologie (KIT) Materialprüfungs- & Forschungsanstalt, MPA Karlsruhe, Notified Body number: 0754
Certificate of conformity of in-company production control	0754-CPR
Delivery form	200 kg drums 1,000 kg container

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BZM10

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. [2300018393]