

Murasan Hydrotech 15

Compaction aid for concrete goods



PRODUCT PROPERTIES

- Improved green stability
- Superior looking surface texture
- Higher early and final strength
- Additional resistance against water-related defects such as efflorescence
- Better resistance against frost and de-icing salts
- Chloride-free

AREAS OF APPLICATION

- Concrete goods from semi-dry (no slump, dry cast) concrete
- Paving stones, kerbstones, slabs, pipes, manhole shafts, hollow core blocks etc.

APPLICATION ADVICE

Murasan Hydrotech 15 is a concrete admixture designed to improve the compactability of semi-dry or no-slump concrete mixes. It contains a specially formulated chemical base that reduces the surface energy of water, making the concrete mix less sticky and more mobile under compaction techniques such as vibration or vibro-pressing. The admixture also creates small, precisely engineered air bubbles in the fresh cement paste, which act like ball bearings and enhance the mobility of the mix. These air bubbles also improve the resistance of the finished concrete to de-icing salts and contribute to better surface finishes and shapes.

One further benefit of using Murasan Hydrotech 15 is that it reduces both internal and external friction of the concrete, leading to less wear on the moulds and potentially saving money on long-term maintenance costs.

To use Murasan Hydrotech 15 effectively, it should be added to the concrete mix in a laboratory-determined quantity as the final component, after mixing water. The admixture should not be added to the dry mix. To ensure proper distribution and maximize its effects, the mix should be stirred for at least 60 seconds after adding the admixture. It is important to follow these instructions 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 - 15	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 0.5	mass fraction

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

Designation of admixture	Murasan Hydrotech 15
Self-monitoring	EN ISO 9001
Colour	blue
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. [2300018391]