

Murasan Hydrotech 863

Compaction aid admixture for semi-dry concrete



PRODUCT PROPERTIES

- Better concrete compactibility
- Improved green stability
- Faster early strength development
- Higher mechanical properties
- Reduced water permeability
- Denser and smoother surface texture
- Improved resistance against frost and de-icing salts
- Faster and reliable production
- Chloride and alkali free

AREAS OF APPLICATION

- No-slump / semi-dry concrete
- Concrete goods – pavers, kerbstones, pipes, hollow core slabs, blocks etc.

APPLICATION ADVICE

Murasan Hydrotech 863 is a compaction aid for the production of no-slump concrete that uses a combination of cutting-edge polycarboxylate ethers modified to promote maximum dispersion and particle wetting. It promotes good mechanical properties, high compaction, and long concrete durability.

Murasan Hydrotech 863 aids in the intensification of cement particle dispersion even at low cement amounts, water-to-cement ratios, and admixture dosages. A smoother surface texture enhances both the visual appearance and the durability of the product. Murasan Hydrotech 863 has been modified with additives that promote the development of cement stone microstructure resistant to weathering effects such as frost in combination with de-icing salts.

Murasan Hydrotech 863 should be added to the concrete during the final mixing stage, preferably after or with the last part of the mixing water. The mixing time after the addition of Murasan Hydrotech 863 should be at least 60 seconds for optimal performance.

Please note the “General Information on the Use of Concrete Admixtures”.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.03	± 0.02 kg/dm ³
Recommended dosage range	g	2 - 20	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 4.0	mass fraction

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

Type of admixture	Compaction aid
Designation of admixture	Murasan Hydrotech 863
Colour	white to yellowish
Form	liquid
In-company production control	EN ISO 9001, 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	25 kg jerry-can 200 kg barrel 1000 kg IBC
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.

Safety instructions

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

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. [2300018394]