

Murasan Hydrotech 864

Compaction aid admixture for semi-dry concrete



PRODUCT PROPERTIES

- Improved concrete compaction
- Enhanced green stability
- Accelerated strength development
- Excellent 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 – curb stones, pipes, hollow core slabs etc.

APPLICATION ADVICE

Murasan Hydrotech 864 is a compaction aid admixture for no-slump concretes that require rapid strength development and the high final mechanical properties. This product is ideal for semi-dry concretes with higher volumes of cement paste, such as those used to make larger, reinforced or unreinforced elements, like concrete pipes and hollow core slabs.

Murasan Hydrotech 864 employs MC's latest polycarboxylate technology, allowing for the ideal cement particle dispersion during mixing even at low cement contents and water-to-cement ratios. This ensures that every cement particle is used and hydrated for optimum performance. The mobility of the concrete is activated during the delivery of the compaction energy, resulting in the ultimate compaction. The end result is strong concrete with a smooth surface and a long lifespan.

Murasan Hydrotech 864 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 864 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	1.03	± 0.02 kg/dm ³
Recommended dosage range	g	2 - 20	per kg cement
Chloride content	%	< 0.1	mass fraction
Alkaline content	%	< 4.0	mass fraction
Type of admixture	Compaction aid		
Designation of admixture	Murasan Hydrotech 864		
Colour	yellowish		
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 original sealed packages at temperatures between 5°C and 30°C in dry conditions for at least 12 months.		
Packaging disposal	Make sure single-use containers are completely empty.		

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. [2300018727]