

# Murasan Hydrotech 862 ultra

High performance compaction aid for semi-dry concrete



## PRODUCT PROPERTIES

- Improved concrete compaction
- Increased cement stone density
- Higher early and final strength
- More uniform cement dispersion and hydration
- More cost-effective and efficient production
- Potential to reduce cement content
- Improved surface finish and colours
- Improved frost resistance
- Reduced permeability to corrosive substances
- Reduced tendency to efflorescence
- More sustainable production
- Reduced mould wear
- Faster production with less rejects

## AREAS OF APPLICATION

- Semi-dry concrete production
- Higher value concrete goods
- Concrete products with high density requirements

## APPLICATION ADVICE

Murasan Hydrotech 862 ultra is a compaction aid for semi-dry concrete utilising MC's latest PCE technology. It optimises cement dispersion and hydration, improving workability and compactibility.

This results in a superior surface finish, vibrant colours, exceptional green stability and robust mechanical properties. The dense microstructure with fully hydrated cement reduces the risks of efflorescence, carbonation, sulphation and even spalling from frost and de-icing salts.

By using Murasan Hydrotech 862 ultra, cement content can be reduced without compromising properties, improving production efficiency and reducing the cost and carbon footprint of concrete. Reduced internal friction can speed up the production of concrete products, saving time, energy and even maintenance costs by minimising wear on moulds and machine parts.

For optimum performance, add Murasan Hydrotech 862 ultra during the final mixing stage, preferably after or with the last part of the mixing water. Mix for at least 60 seconds after addition.

Refer to "General information on the use of concrete admixtures" for further details.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/cm <sup>3</sup>	approx. 1.1	± 0.02 kg/dm <sup>3</sup>
Recommended dosage range	g	2 - 20	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 4.0	mass fraction
Type of admixture	Compaction aid		
Designation of admixture	Murasan Hydrotech 862 ultra		
Colour	yellowish		
Certificate of conformity of in-company production control	0754-CPD		
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		
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.		

**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. [2300018832]