

Murasan Hydrotech 860 plus

Filling and compaction aid for semi-dry concrete



PRODUCT PROPERTIES

- Improved mould filling
- Consistent density across production board
- Reduced waste and rejection rates
- Enhanced compaction
- Smoother, more uniform surface finishes
- Higher and more reliable mechanical properties
- Chloride and alkali-free

AREAS OF APPLICATION

- Small-format concrete products made of semi-dry concrete
- Concrete goods: paving stones, kerbstones, hollow core blocks

APPLICATION ADVICE

Murasan Hydrotech 860 plus is an innovative admixture developed to optimize the filling and compaction process in semi-dry concrete production. It significantly improves concrete flow during mould filling, ensuring that even sides and corners receive adequate material prior to compaction.

Concrete elements in the centre of the production board typically have higher density and strength due to better filling, while edge and corner units often remain underfilled and less compacted. Murasan Hydrotech 860 plus improves concrete flow and reduces stickiness, ensuring more even distribution before compaction.

Beyond improving fillability, the product also boosts compaction efficiency across all areas of the mould, leading to stronger, more durable products with improved surface characteristics and fewer defects.

Add Murasan Hydrotech 860 plus after mixing cement, aggregates, and most of the mixing water. If the full water content is added at once, adjust the total to account for water introduced via the admixture. Mix for at least 60 seconds after addition to ensure complete and uniform distribution. Dosage should be confirmed via laboratory and production trials for each specific mix design.

Please consult the “General application advice: Application of concrete admixtures”

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Recommended dosage range	g	2 - 15	per kg cement
Chloride content	%	< 1	mass fraction
Alkaline content	%	< 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 860 plus
Colour	clear
Form	liquid
In-company production control	EN ISO 9001, EN 934-6
Notified body	Karlsruhe Institute of Technology (KIT), Materials Testing and Research Institute, MPA Karlsruhe, notified body number 0754.
Certificate of conformity of in-company production control	0754-CPD
Delivery form	25 kg jerry-can 200 kg barrel 1000 kg IBC
Storage	Can be stored for 12 months in unopened original packaging in a dry place.

Safety instructions

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

Note: The information in this data sheet must be adapted by the installer, specialist planner, and/or building inspector to the respective construction project, intended use, and specific local conditions. Any non-standard local conditions must be taken into account, and application-specific conditions must be reviewed in advance by the planner/specifier. Deviations from the specified standard conditions 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. [2500028574]