

Murasan Hydrotech 873

2-in-1 compaction aid and waterproofing admixture for semi-dry concrete



PRODUCT PROPERTIES

- Improved compaction
- Reduced capillary absorption
- Better surface texture
- Improved resistance against frost and de-icing salts
- Longer concrete life span
- Faster and more reliable production
- Even mould filling
- Better and longer lasting colours
- Chloride and alkali free

AREAS OF APPLICATION

- No-slump / semi-dry concrete
- Concrete goods – paving stones, kerbstones, hollow blocks, drainage elements, roof tiles etc.

APPLICATION ADVICE

Murasan Hydrotech 873 is a hybrid 2-in-1 admixture that incorporates cutting-edge organosilicon chemistry as well as a surface tension modifying component. As a result, a single product can address both major issues in the production of semi-dry concrete goods – compaction and waterproofing.

Murasan Hydrotech 873's compaction aiding effect adds no additional stickiness to the concrete mix, improving filling uniformity and reducing machinery wear. The admixture changes the microstructure of the cement, making it more resistant to frost and de-icing salts. This, combined with the hydrophobic effect, significantly extends the life cycle of the concrete.

Murasan Hydrotech 873 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 873 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 | ± 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 873 | | |
| Colour | white | | |
| 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. [2300018728]