

# Murasan Hydrotech 16

Compaction aid for concrete goods



## PRODUCT PROPERTIES

- Improved green stability
- Superior looking surface texture
- Higher early and final strength
- Additional resistance against water-related defects such as efflorescence
- Better resistance against frost and de-icing salts
- Reduction of defective products
- Chloride-free

## AREAS OF APPLICATION

- Concrete goods from semi-dry (no slump) concrete
- Paving stones, kerbstones, slabs, pipes, manhole shafts, hollow core blocks etc.

## APPLICATION ADVICE

Murasan Hydrotech 16 is a concrete admixture that is used to improve the workability and compactability of semi-dry or no-slump concrete mixes. It contains a special chemical that reduces the surface tension of water, making the concrete mix less sticky and easier to work with using compaction methods such as vibration or vibro-pressing. The admixture also creates small air bubbles in the fresh cement paste, which act like ball bearings and increase the mobility of the mix. These air bubbles also improve the concrete's resistance to de-icing salts and result in better surface finishes and shapes.

Murasan Hydrotech 16 has the added benefit of reducing the internal and external friction of concrete, resulting in less wear on the moulds and potentially lowering long-term maintenance costs.

To ensure the most effective use of Murasan Hydrotech 16, it should be added to the concrete mix as the final component after the water has been mixed in. The admixture should not be added to the dry aggregates. For proper distribution and maximum effectiveness, the concrete should be mixed for at least 60 seconds after adding the admixture. It is essential to follow these steps carefully to achieve the desired results.

Please note the "General Information on the Use of Concrete Admixtures".

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	1.01	
Recommended dosage range	g	2 - 15	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 5.0	mass fraction
Designation of admixture	Murasan Hydrotech 16		
Colour	blue		
Certificate of conformity of in-company production control	0754-CPR		
Form	liquid		
In-company production control	EN 934-6		
Notified body	Karlsruher Institut für Technologie (KIT) Materialprüfungs- & Forschungsanstalt, MPA Karlsruhe, Notified Body number: 0754		
Delivery form	200 kg drums 1,000 kg container		

**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. [2300018392]