

PRODUCT DATA SHEET

WR-20223

Water Reducing Reagent Powder

DESCRIPTION

A highly effective water-reducing reagent or super-plasticizer based on naphthalene technology for improving the workability of concrete and mortar.

USES

- Concrete and mortar-based product manufacturing
- Cement production

CHARACTERISTICS / ADVANTAGES

- Improved workability of concrete and mortar
- Improves concrete placement
- Especially suitable for the construction with concrete and mortar with slender components and congested reinforcement
- Improved compacting behaviour
- Improves cohesion of mix which significantly reduces the risk of segregation

PRODUCT INFORMATION

Composition	Superimposed Naphthalene Sulfonate
Packaging	650 kg, Big Bag
Shelf life	12 months in undamaged, unopened and sealed original packaging
Storage conditions	<ul style="list-style-type: none"> ▪ Avoid to direct contact with water, keep indoors only. ▪ Stored at temperatures between +5°C and +35°C. Protect from water, frost, direct sunlight, and contamination during both delivery and storage
Appearance and colour	Brown Powder
Bulk density	0.60 – 0.80 kg/m ³ (at +25°C)
pH-Value	7-9 at 10% solution
Compatibility	Cements treated with WR-20223 are compatible in concretes produced with all commercial admixtures including air entrainers, naphthalene based water reducers, and retarders, but PCE based water reducer may be adversely affected by the use WR-20223.

APPLICATION INFORMATION

Recommended dosage	Typical dosage rates of WR-20223 are between 1.0 – 5.0 kg per ton of cement (0.10% - 0.50% of total weight = cement clinker + additions). The optimum dosage to achieve the desired characteristics shall be determined in the plant trials. Influencing factors are e.g. the properties of clinker source, type of cement and other plant variables. For consistent results, WR-20223 must be accurately dispensed.
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BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet
WR-20223
May 2023, Version 01.01
021304011002000018

WR-20223-en-TH-(05-2023)-1-1.pdf