



BASE

Construction Chemicals Industry

Produces Construction chemicals under technical advice and guidance of MUHU (China) Construction Materials Co. Ltd.

Base con R-1

Water reducing and retarding concrete admixture

Product Description

A liquid water reducing cum set retarding concrete admixture with a powerful plasticizing effect. Also a substantial Water reduction can be achieved to promote high strength at the high dosage range. Complies with ASTM C 494, IS 9103-1999

Uses BASE con R-1 can be used for high quality concrete in difficult conditions such as High temperature long haul. ready mix concrete and wherever high quality dense concrete is required.

CHARACTERISTICS / ADVANTAGES

BASE con R1 provides the following beneficial properties:

- ❖ Increased setting time at elevated temperature, Long lasting control of slump loss.
- ❖ Very good for ready mix concrete plants where long haulage is there
- ❖ Improved workability without loss of workability
- ❖ Reduced water without increasing water
- ❖ Increased ultimate strength
- ❖ Reduced shrinkage and creep
- ❖ Improved surface finish
- ❖ Chloride-free
- ❖ Does not attack re-enforcement
- ❖ up to 12% water reduction is possible

TEST

Approval standard ASTM C 494, IS 9103-1999

PRODUCT DATA

Form Appearance / color dark brown liquid
Packaging 250 kg/ Bulk on request

STORAGE CONDITION/ SHELF-LIFE

12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5⁰C and +35⁰C. Proton from direct sunlight and frost.

TECHNICAL DATA

Chemical modified lignosulphonate
Relative Density ~1.18kg/l ± 0.02 kg/l at 25⁰C



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System Information

Application Details

Consumption/Dosage 0.2-1.2% by weight of cement. Actual dosage to be finalized on the basis of site trials

Application Instructions:

Dispensing BASE con R1 should be dispensed directly into the mixing water prior to its addition to the concrete. When freshly mixed accidental overdosing occurs, it does not entrain any excessive amount of air, but retards considerably and the ultimate strength will not be affected, if adequate care is taken.

Cleaning of tools Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.

Value Base All technical data state in this product Data sheet are base on laboratory tests. Actual measured data may vary due to circumstances beyond our control

Health and Safety Information:

For information and advice on the safe handing, storage and disposal of chemical product, users shall refer to the most recent Material safety Data sheet containing physical, ecological, toxicological, and other safety-related data.

Legal Notes

The information, and in particular, the recommendation relating to the application and end-use of BASE Con products, are given in good faith based on BASE Con current knowledge and experience of the product when properly stored, handled and applied under normal conditions in accordance with BASE con 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. BASE con 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.