

Product Information

MIGHTY 80RA-M

Retarding Type Water Reducing Concrete Admixture

Specification Compliance

Complying the following requirements of :

- a) ASTM C494 Type B & D
- b) BS 5075 : Part 1 : 1984
- c) JIS A6204 Retarding Type Admixture

Benefits and Advantages for Ready-Mixed Concrete Producers

- Offer of a New Developed Retarding base concrete admixture for Medium Strength with a Good Slump Retention for Pumping concrete works,
- Reduction of concrete segregation with High Slump concrete,
- Increased and sustained Better and Longer Slump Retention and Setting times properties at elevated temperatures.
- Reduction of Shrinkage Cracks through a Lower Water Cement Ratio through a design with a more dense, lower permeable and durable mix ratio,
- Reduction of Thermal Cracks with less heat hydration through its slow and gradual retardation properties

Technical Data

Appearance	:	Dark Brown Liquid
PH (5% soln.)	:	6 – 8
Specific Gravity	:	1.160 – 1.200

Description of MIGHTY 80RA-M

MIGHTY 80RA-M is a High Performance Retarding agent, produced by chemical processes from **Oligosaccharide derivative** meant for use to produce a more uniform, consistent and predictable High Quality concrete with a substantial water reducing retarding set properties to facilitate better placing and finishing works.

MIGHTY 80RA-M does not contain Chloride and is Non-Corrosive in nature.

Dosage Rate

Use in the following recommended dosages –

- a) For **Normal Ready-Mixed** concrete requirements
Use only 0.150 ~ 0.300 Liters per every 100 kg Cement
Travelling Time : ½ hour ~ 1½ hour
[Initial Set of the concrete between 5 hours ~ 6 hours *]
- b) For **Pump & Bore Pile Tremie Mixed Ready-Mixed** concrete requirements
Use only 0.250 ~ 0.500 Liters per every 100 kg Cement
Travelling Time : 1 hour ~ 1½ hour
[Initial Set of the concrete between 6 hours ~ 7 hours *]
- c) For **High Strength Ready-Mixed** concrete requirements
Use only 0.150 ~ 0.300 Liters ** per every 100 kg Cement, added with another High Range Water Reducing Superplasticizer at the Dosage of 0.600 ~ 0.800 Liters ** per every 100 kg Cement
Travelling Time : 1½ hour ~ 2½ hours
[Initial Set of the concrete between 5 hours ~ 6 hours *]

Key

* This Initial Setting time depends on the Cement Type – Brand used, but should be all **OPC** of various types such as Type I, III and V, as well as with blended cement such as blastfurnace slag blended cement, fly-ash and silica fume **and concrete temperature**.

** Indicates that this dosages recommended *should be used with another* High Range Water Reducing Superplasticizer Type [Recommended **MIGHTY 150S**] and never alone as specified therein.

Packing

MIGHTY 80RA-M is available in 244kg steel drums.