

Product Information

MIGHTY[®] 150 (Naphthalene Sulfonate - Cement Aid) (Normal Set Type)

Introduction

MIGHTY 150 is a synthetic oligomer-based additive which performs extremely well with Portland cement of various types. Beneficial properties are available in production of Portland cement at the grinding stage of clinkers, and **MIGHTY 150** works also well with blended cement and fly-ash blended cement. **MIGHTY 150** may also be added to the finished Portland cement either alone or in combination with aggregates to the manufacture cement paste, mortar and/or concrete for varying end users without requiring so much of water normally called for by conventional water reducers.

General Properties

Appearance (20°C)	:	Dark Brown Liquid
Main Ingredient	:	Naphthalene Sulfonate
Specific Gravity (20°C)	:	1.22 ± 0.02
pH (5 % aq. solution)	:	9.0 ± 1.0

Certification Test

The Construction Technology Laboratories of the Portland Cement Association, Skokie, Illinois, USA conducted a series of tests with Naphthalene Sulfonate Cement Aid according to the ASTM C494, and certified that Naphthalene Sulfonate met all the requirements therein specified.

Suggested Uses

Dosage rate of 0.6 % to 2.4 % by weight of cement is the normal range of uses together with cements of varying types.

For water reduction, 1.2 % reduction of water requirement at the same consistency.

For high workability, 0.6 % of **MIGHTY 150** generally suffices to increase the flowability of cement paste, mortar or concrete.

Packing

MIGHTY 150 is supplied in closed-head iron drums of 244 kilograms net or Isotank.

Safety

MIGHTY 150 is a non-toxic aqueous solution of unreactive and uncorrosive synthetic oligomer. However, as with all such chemicals, normal care should be taken in its handling.