

## Product Information

### MIGHTY 150SA-5

(Initial set and workability extending superplasticizer for concrete)

#### Introduction

**MIGHTY 150SA-5** is a liquid admixture performs as high effective water reducing agent and superplasticizer for production of high quality concrete.

**MIGHTY 150SA-5** is use where high early and ultimate strength is required. **MIGHTY 150SA-5** works also well with fly-ash blended cement. It is chloride- free product does not attack reinforcement.

#### General Properties

Appearance: Dark Brown Liquid  
Main Ingredient: Special Organic compound  
Specific Gravity, 25°C: 1.190 ± 1.210  
pH (5% aq. solution): 9.0 - 11.0

#### Specification Type

This product complies to ASTM C-494  
BS 5075 and JIS A6204

#### Suggested Uses

Dosage rate of 0.6 % to 2.0 % by weight of cement Actual dosage is depend on quality of cement and aggregate, W/C and temperature. In many case, it is advisable to find the exact dosage required with the trial mixes.

#### Packing

**MIGHTY 150SA-5** is supplied in 244 kg in steel drum.

#### Storage & Shelf Life

Store container tightly closed in well-ventilated place. It is recommendable to use the product within 6 months after purchase.

#### Safety

**MIGHTY 150SA-5** is a non toxic aqueous solution of unreactive and uncorrosive. However, as with all such chemicals, normal care should be taken in its handling.

#### Concrete test

##### Mix design

No.	W/P (%)	s/a (%)	Unit Weight (Kg/m <sup>3</sup> )				
			C	PFA	W	S	G
1	35.0	42.0	400	0	140	815	1164
2	35.0	42.0	320	80	140	815	1164

##### Materials

Cement : Portland cement type III  
PFA : Fly Ash (SG. 2.39)  
Sand : River sand (SG. 2.57)  
Gravel : Gravel ¾" (SG. 2.69)

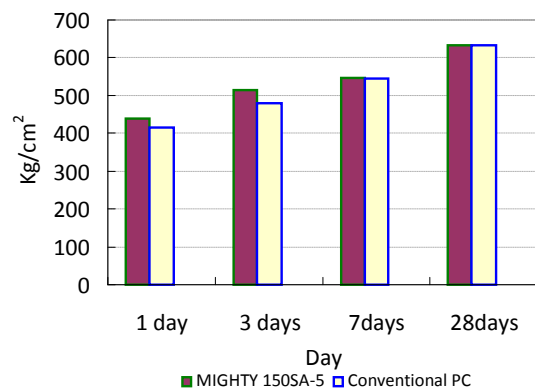
##### Admixture & Dosage

MIGHTY 150SA-5 : 1.60%  
Conventional PC : 0.80%

Initial Slump : 5.0±2.0cm

#### Compressive strength

##### Mix Design No.1



##### Mix Design No.2

