

FAST SET 100 HE

ACCELERATING WATER-REDUCING ADMIXTURE FOR CONCRETE

DESCRIPTION:

FAST SET 100 HE is a set accelerating, water-reducing multi-component admixture for concrete. It is designed to facilitate the placing and finishing of concrete while providing accelerated set time.

FAST SET 100 HE is especially beneficial during cold weather concreting operations.

ADVANTAGES:

- Significantly increases set time over regular concrete
- Improves quality of concrete by decreasing water-cement ratio
- Improves workability
- Increases compressive and flexural strengths both early and ultimate
- Provides superior finishability on all flatwork and pre-cast surfaces
- Provides earlier finishing of slabs
- Reduces segregation
- Reduces protection time required in cold weather
- Faster stripping and re-use of forms
- Earlier use of structural concrete
- Increased scaling resistance when used with an approved air entraining agent
- Produces concrete with lower permeability
- Enhances performance of calcium chloride

DOSAGE RATE:

FAST SET 100 HE is recommended for use at a dosage rate of 16 to 64 fluid ounces per 100 pounds (1 to 4 liters per 100 kg) of cement.

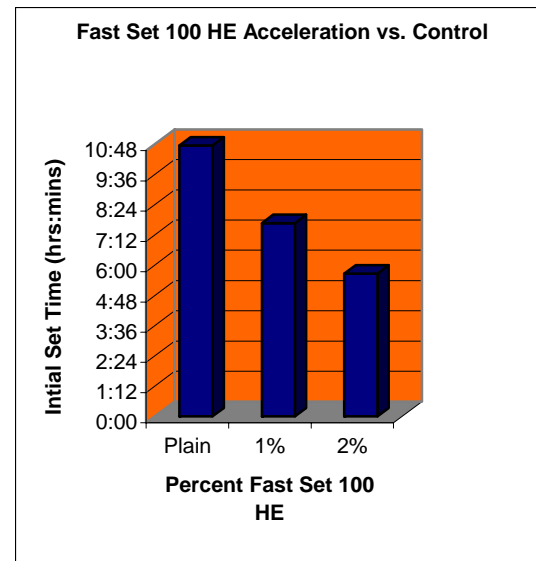
SPECIFICATIONS:

Conforms to ASTM C 494 Types C and E
AASHTO M 194 Types C and E
CRD C 87 Types C and E

MIX PERFORMANCE DATA:

470 lbs.(279 kg) of Type I cement per cubic yard (cubic meter)
Slump 3.5 inches (89 mm)
Ambient Temperature 50 F (10 C)
Concrete Temperature 50 F (10 C)

Time of Set



Compressive Strength

FAST SET 100 HE at 48 fl. ounces per 100 pounds (3.1 liters per 100 kg) cement

Mix	7 Day		28 Day	
	psi	MPa	psi	MPa
Plain	3450	23.8	4270	29.4
FAST SET 100 HE	4340	29.9	5340	36.8

TECHNICAL NOTE:

FAST SET 100 HE contains intentionally added calcium chloride. When specifications limit the use of chloride, RussTech can provide non-chloride accelerating admixtures such as **LCNC-166**.

COMPATIBILITY:

FAST SET 100 HE is compatible with all types of cement, class C and F fly ash, silica fume, calcium chloride, fibers, approved air entraining, accelerating, superplasticizing, and water-reducing admixtures. For best results, each admixture must be dispensed separately into the concrete mix.

PACKAGING:

55-gallon drums, 275-gallon tote tanks, and bulk tank truck

SHELF LIFE:

18 months

VISIT US ON THE WEB AT:

www.RussTechnet.com



RussTech Inc.

"We Add The Difference"