

# RUSSTECH<sup>®</sup>

## 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.

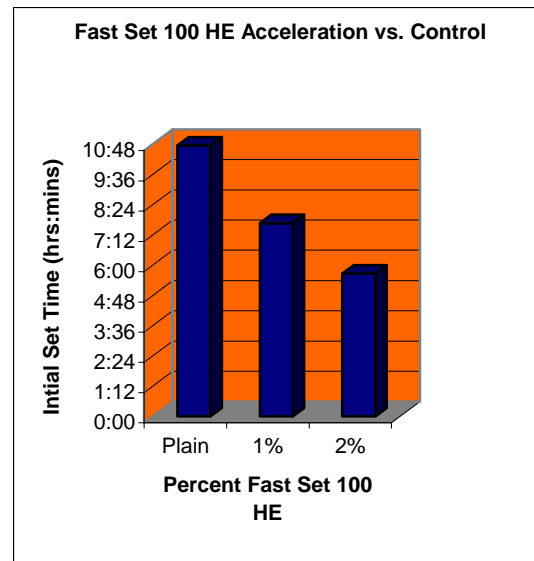
#### SPECIFICATIONS:

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
<b>FAST SET 100 HE</b>	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](http://www.RussTechnet.com)



**RussTech Inc.**

"We Add The Difference"