

Plastocrete® 161FL

Accelerating Admixture

Description	Plastocrete® 161FL is a non-chloride, water reducing and accelerating admixture. Plastocrete® 161FL meets the requirements of ASTM C-494 Types C and E.
Applications	Plastocrete® 161FL is an effective accelerator where high early strength concrete is desired and the use of calcium chloride is prohibited.
Benefits	<p>Cold Weather Concreting:</p> <p>Accelerated Set Times and Strength Development: Plastocrete® 161FL may be used to accelerate set times and increase early strength gain where job-site efficiency is important in order to meet construction deadlines. Plastocrete® 161FL saves time and money by allowing faster finishing and stripping of concrete surfaces.</p> <ul style="list-style-type: none">■ Insulation and heating costs during curing time are reduced.■ Accelerated set times allow crews to finish concrete earlier, saving on labor costs.■ Earlier stripping and reuse of forms increases labor productivity.■ Accelerated strength gain allows earlier structural use and speeds completion time. <p>Cold Weather Concreting: At the recommended dosage rate Plastocrete® 161FL will protect concrete from freezing in most sub-freezing temperature conditions and may reduce the need for cold weather concreting practices as specified in ACI 306.</p> <p>Standard Specification for Cold Weather Concreting: Plastocrete® 161FL does not contain calcium chloride or any other intentionally added chlorides and will not initiate or promote the corrosion of steel members present in the concrete.</p>
How to Use	
Dosage	To accelerate set times dosage at the rate of 6-64 fl.oz. per 100 lbs. (390-4160 ml / 100 kg) of cement is recommended. When used to protect concrete from freezing, dosage will vary with different brands of cement and ambient temperatures and higher dosages may be necessary. Sika recommends that trial mixes be performed to determine the most efficient dosage.

Concrete



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Mixing

Add the correct amount of Plastocrete® 161FL at the concrete plant. The admixture may be added manually or by automated dispenser directly into the sand or into the water line at the batch plant. When used in combination with other admixtures care must be taken to dispense each admixture separately into the mix. Do not mix with dry cement. Field evaluations should be carried out to determine the minimum ambient and concrete temperature required, and the optimum dosage for the desired setting time and strength performance. Sika strongly recommends that appropriate, sound curing practices be followed to protect fresh concrete from excessive heat loss in extreme weather conditions.

Combination with Other Admixtures: Plastocrete® 161FL is highly effective as a single admixture or in combination with other admixtures in the Sika System.

Packaging

Plastocrete® 161FL is supplied in 55 gallon (208 liter) drums and bulk delivery.

Storage and Shelf Life

Plastocrete® 161FL will begin to freeze at 20°F (-7°C). If frozen, thaw and agitate thoroughly to return to its normal state before use.

Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C - 27°C) is one year.

Typical Data**Appearance**

Dark Brown Liquid

Specific Gravity

Approx. 1.31

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY • FOR PROFESSIONAL USE ONLY

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Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: (201) 933-8800
Fax: (201) 933-6225
usa.sika.com

Sika Canada Inc.

601, Delmar Avenue
Pointe-Claire, QC H9R 4A9
Phone: (514) 697-2610
Fax: (514) 697-3087
can.sika.com

Regional Information and Sales Centers. For the location of your nearest Sika representative, contact your regional center.

U.S. :
Northeast: Fairless Hills, PA, Phone: (215) 295-6600
South East: Conyers, GA, Phone: (770) 760-1300
Western Region: Santa Fe Springs, CA, Phone: (972) 289-6480

North Central: Ottawa, IL 61350, Phone: (815) 431-1080
South Central: Mesquite, TX, Phone: (972) 289-6480

Canada: **Ontario:** Mississauga, ON, Phone: (905) 795-3177

Alberta: Edmonton, AB, Phone: (780) 486-6111

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