

AdvanSet™ NC Fast

Non-Chloride High Early Strength Enhancement Admixture

General Description

Riteks AdvanSet™ NC Fast is a non-chloride, multi-component, strength enhancing admixture for concrete. It promotes higher early and ultimate strengths at all ages. AdvanSet NC Fast can be used in warmer climates where accelerated set times are less desirable. AdvanSet NC Fast does not contain calcium chloride or any chloride-based components and will not initiate or promote the corrosion of steel in concrete used with:

- Galvanized steel flooring or roofing systems left for permanent construction
- Rebar, wire mesh or metal fibers
- Pre-cast, site cast, and prestressed steel reinforcement
- Steel cable in both pre-tensioned and post-tensioned applications

Features/Advantages

- Provides higher early and ultimate strengths with no negative effect on mix properties
- Improves overall strengths at all ages
- Increases rate at which heat is generated during hydration- promotes faster strength gain
- Earlier use of structural concrete
- Faster stripping and reuse of forms
- Improves cohesiveness and plasticity which aids in avoiding honeycombing
- Provides superior finishability on all flatwork and pre-cast surfaces
- Reduces protection time required in cold weather

Compressive Strength Results

AdvanSet NC Fast at 32 ounces per 100 pounds (2088 mL per 100 kg) cement

Mix Age	Plain		AdvanSet NC Fast	
	psi	MPa	psi	MPa
12 Hours	720	4.96	1380	9.51
24 Hours	1830	12.62	2470	17.58
3 Day	3240	22.34	4230	29.16
7 Day	4290	29.58	5470	37.71

How to Use / Dosage

DRcommended for use at a dosage rate of 8 to 70 fluid ounces per 100 pounds (522 to 4565 mL per 100kg) of cementitious. Due to variations in concrete materials, job site conditions and applications, dosages outside of the recommended range may be required. In such cases, contact your local Riteks Construction Chemical Representative.

Health and Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

Specifications

Conforms to:

ASTM C 494 Types C
CRD C 87 Types C
AASHTO M 194 Types C

Packaging/Storage

5 Gal Pails | 55-Gal Drums |
275-Gal Tote | Bulk Delivery.

May freeze at temperatures below 5 F (-15 C). Although freezing does not harm AdvanSet NC Fast, precautions should be taken to protect it from freezing. If it should happen to freeze, thaw and reconstitute with mechanical agitation. Do Not Use Pressurized Air For Agitation

Product should be used within 12 months of delivery.

Compatibility

Compatible with all types of Portland cement, class C & F fly ash, silica fume, fibers, all approved air entraining, accelerating, super plasticizing, and water reducing admixtures. For best results, each admixture must be added separately to the concrete mix.



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a Sample

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