

RUSSTECH[®]

FINISHEASE-NC

**NON-CHLORIDE
FINISH ENHANCING
MID-RANGE, WATER-REDUCING
ADMIXTURE FOR CONCRETE**

DESCRIPTION:

FINISHEASE-NC is a liquid, multi-component water-reducing admixture for concrete designed to offer the following:

- Superior workability and finishability
- Increased durability
- Increased compressive and flexural strength, both initial and ultimate
- Lower water-cement ratio
- Normal set times throughout whole dosage range
- Non-chloride

ADVANTAGES:

- Increased workability and finishability without extending set time; even in mixes with reduced amounts of cementitious materials
- Reduced segregation of mix; even with very high slumps
- Increased pumpability
- Increased relative durability to freezing and thawing
- Superior finishing characteristics for flatwork, walls, curb and tilt-up
- Better retention of slump than conventional water-reducers

USES:

- **FINISHEASE-NC** is used in all concrete where ease of placement, normal set times, and increased workability are desired
- **FINISHEASE-NC** is used in all flatwork, curb mixes and walls
- **FINISHEASE-NC** is compatible with a wide range of cements, fly ashes and aggregates
- **FINISHEASE-NC** provides concrete with lower permeability, little or no bleeding and greater workability at the surface.



DOSAGE:

FINISHEASE-NC is recommended for use at a dosage rate of 3 to 12 fluid ounces per 100 pounds (196 to 782 mL per 100 kg) of cementitious.

MIX PERFORMANCE DATA:

Straight Cement

517 lbs. (307 kg) of Type I cement per cubic yard (cubic meter)

Slump 6.0 inches (152 mm)

Ambient Temperature 72 F (22 C)

Concrete Temperature 70 F (21 C)

Time of Set:

	<u>Initial Set</u> Hours: Minutes	<u>Final Set</u> Hours: Minutes
Plain	4:58	6:19

FINISHEASE-NC:

5 fl. oz/cwt. (326 mL/100 kg)	4:57	6:18
7 fl. oz/cwt. (456 mL/100 kg)	5:10	7:02
9 fl. oz/cwt. (587 mL/100 kg)	5:15	7:11

Compressive Strength:

Mix	7 day		28 Day	
	<u>psi</u>	<u>MPa</u>	<u>psi</u>	<u>MPa</u>
Plain	4280	29.5	5620	38.8

FINISHEASE-NC:

5 fl. oz/cwt. (326 mL/100 kg)	4980	34.3	6430	44.3
7 fl. oz/cwt. (456 mL/100 kg)	5210	35.9	6920	47.7
9 fl. oz/cwt. (587 mL/100 kg)	5450	37.6	7200	49.6

Cement with Fly Ash

440 lbs. (261 kg) of Type 1 cement per cubic yard (cubic meter) and 80 lbs. (47 kg) per cubic yard (cubic meter) of Class F fly ash
Slump 7.0 inches (178 mm)
Ambient Temperature 72 F (22 C)
Concrete Temperature 70 F (21 C)

Time of Set:

	Initial Set		Final Set	
	<u>Hours:</u>	<u>Minutes</u>	<u>Hours:</u>	<u>Minutes</u>
Plain	5:	28	7:	00

FINISHEASE-NC:

5 fl. oz/cwt. (326 mL/100 kg)	5:27	6:55
7 fl. oz/cwt. (456 mL/100 kg)	5:42	7:15
9 fl. oz/cwt. (587 mL/100 kg)	5:42	7:18

Compressive Strength:

Mix	7 day		28 Day	
	<u>psi</u>	<u>MPa</u>	<u>psi</u>	<u>MPa</u>
Plain	3950	27.2	4350	30.0

FINISHEASE-NC:

5 fl. oz/cwt. (326 mL/100 kg)	4430	30.5	5320	36.7
7 fl. oz/cwt. (456 mL/100 kg)	4950	34.1	6190	42.7
9 fl. oz/cwt. (587 mL/100 kg)	5550	38.3	6730	46.4

*Tests based on controlled laboratory conditions. Field conditions may vary due to differences in local materials. Consult your local RussTech sales technician for aid in developing a mix design for your specific application.

SPECIFICATIONS:

Conforms to ASTM C 494 Types A and F
AASHTO M 194 Types A and F
CRD C 87 Types A and F
All other Federal and State specifications

TECHNICAL NOTE:

FINISHEASE-NC does not contain calcium chloride or any chloride-based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

STORAGE:

FINISHEASE-NC may freeze at temperatures below 20 F(-7 C). Although freezing does not harm **FINISHEASE-NC**, 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.**

COMPATIBILITY:

FINISHEASE-NC is compatible with all types of Portland cement, class C and F fly ash, silica fume, calcium chloride, fibers and approved air entraining, accelerating, retarding, superplasticizing, and water-reducing admixtures. **FINISHEASE-NC** can be used in white, colored, and architectural concrete. 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

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RussTech Inc.
"We Add The Difference"