

**■ ■ *ConTec EC-135***

Advanced Efflorescence Control for Premium Architectural Products. Balanced Primary and Secondary Protection. Enhances Color and Reduces Cycle Times.

■ ■ *ConTec EC-90*

Efflorescence Control for all CMU's. Exceptional Primary Protection Without Sacrificing Secondary Performance.

■ ■ *ConTec EC-45*

Efflorescence Control With a Perfect Blend of Economy and Performance.

■ ■ *ConTec SD-205*

Super-dispersant Booster for Pigment and Cement Efficiency.

■ ■ *ConTec SD-321*

Polycarboxylate Super-dispersant for Pigment and Cement Efficiency.

■ ■ *ConTec SP-307*

Mix Plasticizer for Reduced Cycle Times and Moderate/Low Swipe

■ ■ *ConTec SP-311*

High-Swipe Plasticizer Reduces Machine wear and Increase Productivity.

■ ■ *ConTec AC-501*

Early Strength Accelerator That is Predictable and Economical.

■ ■ *ConTec NC-505*

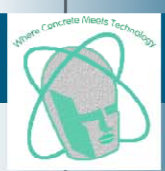
Non-Chloride Accelerator Protects Metal Reinforcements in Concrete

■ ■ *ConTec NC-537P*

Non-Chloride Accelerator, Plasticizer Enhanced

■ ■ *ConTec CS-605*

Acrylic Sealer With Exceptional Hydrophobicity and Blush Resistance.



ConTec EC-135

DESCRIPTION

ConTec EC-135 is a integral water repellant admixture used in low slump concrete units such as architectural block, paving stones, SRW units, or masonry mortar. When used properly this unique formulation chemically reacts with concrete to prevent water penetration and control efflorescence. ConTec EC-135 contains new and improved primary efflorescence control and enhances the color and appeal of all types of concrete products. When used in both mortar and masonry units EC-135 reduces water infiltration through masonry walls.

APPLICATION

Use **ConTec EC-135** in all types of manufactured concrete in which the reduction of efflorescence and water permeability is desirable.

PACKAGING

ConTec EC-135 is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 480 lbs (218 kg) and 265 gallon (1003 L) totes weighing 2400 lbs (1089 kg).

TYPICAL PROPERTIES

| | |
|----------------------------------|--------|
| Specific Gravity at 77F..... | 1.02 |
| Viscosity at 77F, cps | 0 - 50 |
| Weight per gallon | 8.5 |
| % Volatile matter (NVM(1)) | NA |

FEATURES / BENEFITS

- Increases hydrophobic properties and lowers absorption rates.
- Impedes the formation of primary and secondary efflorescence.
- Increases product durability with its unique densifying properties.
- Aids color development and can shorten production cycles.
- Reduces mechanical abrasion in equipment

HANDLING / STORAGE

ConTec EC-135 should be stored at temperatures above 40°F (4.5°C) Care should be taken to prevent this product from freezing. Should EC-135 become frozen the resulting material will be unusable.

ADDITION RATES

We recommend the following range of dosage: 8 to 16 fluid ounces per hundred weight of cement for concrete paving stones and concrete roof tile. For SRW units and other architectural block higher dosage rates may be recommended. These dosage rates are estimated, your actual rate should be determined by testing. We recommend the assistance of an ICT technical representative to help you determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix EC-135 with other admixtures before application.

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Innovative Concrete Technology, LLC

Two Wall Street – Oxford, NJ 07863 • Ph. 908-453-2737 • Fax 908-453-3634



ConTec EC-90

DESCRIPTION

ConTec EC-90 is a special blend of highly stable compounds optimized to prevent water penetration and control efflorescence in manufactured concrete products. This unique 100% active formula will not only enhance the color and appeal in all types of concrete products, EC-90 will also maintain the durability that your exacting industry demands.

APPLICATION

Use **ConTec EC-90** in all types of manufactured concrete in which the reduction of efflorescence and water permeability is desirable.

PACKAGING

ConTec EC-90 is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 425 lbs (193 kg) and 250 gallon (946 L) totes weighing 1950 lbs (885 kg).

TYPICAL PROPERTIES

| | |
|----------------------------------|--------|
| Specific Gravity at 77F..... | 0.864 |
| Viscosity at 77F, cps | 50—150 |
| Weight per gallon | 7.2 |
| % Volatile matter (NVM(1)) | ~0.0 |

FEATURES / BENEFITS

- Increases hydrophobic properties and lowers absorption rates.
- Impedes the formation of primary and secondary efflorescence.
- Helps maintain color integrity throughout.
- Aids color development and can shorten production cycles.
- Reduces mechanical abrasion in equipment

HANDLING / STORAGE

ConTec EC-90 should be stored at temperatures above 40°F (4.5°C). Care should be taken to prevent this product from freezing. Should EC-90 freeze, simply bring product back to room temperature and with light agitation EC-90 will return to its normal clear consistency and quality.

ADDITION RATES

The recommended dosage is 8 to 16 fluid ounces per hundred weight of cement for concrete paving stones and concrete roof tile. For SRW units and other architectural block higher dosage rates are recommended. We recommend the assistance of an ICT technical representative to help you determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix EC-90 with other admixtures before application.

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ConTec EC-45

DESCRIPTION

ConTec EC-45 is a integral water repellant admixture used in low slump concrete units such as architectural block, paving stones, SRW units, or masonry mortar. When used properly this unique formulation chemically reacts with concrete to prevent water penetration and control efflorescence. ConTec EC-45 enhances the color and appeal of all types of concrete products. When used in both mortar and masonry units EC-45 reduces water infiltration through masonry walls.

APPLICATION

Use **ConTec EC-45** in all types of manufactured concrete in which the reduction of efflorescence and water permeability is desirable.

PACKAGING

ConTec EC-45 is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 480 lbs (218 kg) and 265 gallon (1003 L) totes weighing 2400 lbs (1089 kg).

TYPICAL PROPERTIES

| | |
|----------------------------------|-------------|
| Specific Gravity at 77F..... | 1.01 - 1.02 |
| Viscosity at 77F, cps | 100—300 |
| Weight per gallon | 8.5 |
| % Volatile matter (NVM(1)) | ~55 |

FEATURES / BENEFITS

- Increases hydrophobic properties and lowers absorption rates.
- Impedes the formation of primary and secondary efflorescence.
- Helps maintain color integrity throughout.
- Aids color development and can shorten production cycles.
- Improves compressive strength and density.

HANDLING / STORAGE

ConTec EC-45 should be stored at temperatures above 40°F (4.5°C) Care should be taken to prevent this product from freezing. Should EC-45 become frozen the resulting material will be unusable.

ADDITION RATES

The recommended dosage is 8 to 16 fluid ounces per hundred weight of cement for concrete paving stones and concrete roof tile. For SRW units and other architectural block higher dosage rates may be recommended. These dosage rates are estimated, your actual rate should be determined by testing. We recommend the assistance of an ICT technical representative to help you determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix EC-45 with other admixtures before application.

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ConTec SD-205

DESCRIPTION

ConTec SD-205 is a unique blend of dispersing aids bringing naphthalene sulfonate technology to a new level. It's highly active formulation improves both cement and color pigment efficiency in all types of architectural concrete. SD-205 will also improve cement hydration and therefore provide higher compressive strength in manufactured concrete products.

APPLICATION

Use **ConTec SD-205** in all types of manufactured concrete where improved cement and pigment dispersion is desired. SD-205 is a low viscosity liquid ready to use as received.

PACKAGING

ConTec SD-205 is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 570 lbs (259 kg) and 260 gallon (984 L) totes weighing 2750 lbs (1247 kg).

TYPICAL PROPERTIES

| | |
|----------------------------------|-------------|
| Specific Gravity at 77F..... | 1.14 - 1.26 |
| Viscosity at 77F, cps | 50—100 |
| Weight per gallon | 10.0 |
| % Volatile matter (NVM(1)) | ~ 55 |

FEATURES / BENEFITS

- Improves cement particle dispersion and hydration.
- Aids pigment particle dispersion improving color development.
- Increases compressive and flexural strength.
- Proper use can potentially reduce cement and pigment usage.
- Improves the compaction process enhancing finished density.

HANDLING / STORAGE

ConTec SD-205 should be stored at temperatures above 35°F (2°C). Care should be taken to prevent this product from freezing. Should SD-205 freeze, warm till completely liquid then use mechanical agitation to reconstitute.

ADDITION RATES

The recommended dosage is 0.2% by weight of cement. In dry-cast concrete products SD-205 will increase the demand for water by 5 to 10% above normal addition rates. SD-205 is not a water reducer and should not be utilized as such. Please consult an ICT representative for further recommendations to determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix SD-205 with other admixtures before application.

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ConTec SD-321

DESCRIPTION

ConTec SD-321 is a unique blend of dispersing aids that features cutting-edge polycarboxylate technology. It's highly active formulation improves both cement and color pigment efficiency in all types of architectural and hardscape concrete units. SD-321 improves cement hydration and provides higher compressive strength in manufactured concrete products. Your ICT technical representative can help you design a mix that will use SD-321 to actually reduce manufacturing cost.

FEATURES / BENEFITS

- Improves cement particle dispersion and hydration.
- Aids pigment particle dispersion improving color development.
- Increases compressive and flexural strength.
- Proper use can potentially reduce cement and pigment usage.
- Improves the compaction process enhancing finished density.

TECHNOLOGY

Cement particles stick together in clumps called agglomerations. This clumping prevents water from reaching all the cement. Use of **ConTec SD-321** admix breaks up agglomerations to increase the cement surface area available for hydration. The increased surface area holds more water without slumping your mix.

HANDLING / STORAGE

ConTec SD-321 should be stored at temperatures above 35°F (2°C). Care should be taken to prevent this product from freezing. Should SD-321 freeze, warm till completely liquid then use mechanical agitation to reconstitute.

PACKAGING

ConTec SD-321 is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 570 lbs (259 kg) and 260 gallon (984 L) totes weighing 2750 lbs (1247 kg).

ADDITION RATES

The recommended dosage is 0.2% by weight of cement. In dry-cast concrete products SD-321 will increase the demand for water by 5% to 10% above normal addition rates. SD-321 is not a water reducer and should not be utilized as such. Please consult an ICT representative for further recommendations to determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix SD-321 with other admixtures before application.

TYPICAL PROPERTIES

| | |
|----------------------------------|--------|
| Specific Gravity at 77F..... | 1.20 |
| Viscosity at 77F, cps | 50—100 |
| Weight per gallon | 10.0 |
| % Volatile matter (NVM(1)) | ~ 55 |

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ConTec SP-307

DESCRIPTION

ConTec SP-307 combines a swipe agent with an effective mix lubricant and hydration aid. It's unique chemistry creates a low to moderate swipe appearance while its lubrication properties minimize both feed and compaction times. SP-307 is ready to use liquid for use all low slump concrete masonry units. SP-307 improves compaction and density producing higher compressive strength and a less permeable units.

APPLICATION

Use **ConTec SP-307** in all types of manufactured concrete where low to moderate swipe is desired. SP-307 is not a water reducer and should not be utilized as such.

PACKAGING

ConTec NC-537P is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 490 lbs (222 kg) and 260 gallon (984 L) totes weighing 2390 lbs (1084 kg).

TYPICAL PROPERTIES

| | |
|--------------------------------|------------|
| Specific Gravity at 77F..... | 1.02- 1.04 |
| Viscosity at 77F, cps | 75—150 |
| Weight per gallon | 8.6 |
| % Volatile matter (NVM(1)) ... | 12—17 |

FEATURES / BENEFITS

- Improves cement particle dispersion and hydration.
- Produces a low to moderate swipe.
- Increases compressive through better compaction and hydration.
- Optimizes material flow which shortens overall machine cycle times.
- Creates more defined edges improving overall appearance.
- Reduces mechanical abrasion in equipment

HANDLING / STORAGE

ConTec SP-307 should be stored at temperatures above 35°F (2°C) Care should be taken to prevent this product from freezing. Should SP-307 freeze, warm till completely liquid then use mechanical agitation to reconstitute.

ADDITION RATES

The recommended dosage is 2-5 fl oz /100 lbs (130-325 mL/100kg) of cement. As with most plasticizers, water content should be monitored to achieve desired appearance. Please consult an ICT representative for further recommendations to determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix SP-307 with other admixtures before application.

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ConTec SP-311

DESCRIPTION

ConTec SP-311 is a ready to use liquid plasticizing and swipe producing admixture for use in low slump concrete masonry units. It's unique multi-component chemistry creates a moderate to high swipe appearance and minimizes both feed and compaction times with its lubricating properties. SP-311 improves compaction and density producing higher compressive strength and a less permeable surface.

APPLICATION

Use **ConTec SP-311** in all types of manufactured concrete where moderate to high swipe is desired

PACKAGING

ConTec NC-537P is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 490 lbs (222 kg) and 260 gallon (984 L) totes weighing 2390 lbs (1084 kg).

TYPICAL PROPERTIES

| | |
|--------------------------------|------------|
| Specific Gravity at 77F..... | 1.02- 1.04 |
| Viscosity at 77F, cps | 50 - 100 |
| Weight per gallon | 8.6 |
| % Volatile matter (NVM(1)) ... | 86 - 88 |

FEATURES / BENEFITS

- Produces a moderate to high swipe.
- Creates more defined edges improving overall appearance.
- Optimizes material flow which shortens overall machine cycle times.
- Increases compressive and flexural strength.
- Added components improve cement particle dispersion and hydration.
- Reduces mechanical abrasion in equipment.

HANDLING / STORAGE

ConTec SP-311 should be stored at temperatures above 35°F (2°C) Care should be taken to prevent this product from freezing. Should SP-311 freeze, warm till completely liquid then use mechanical agitation to reconstitute.

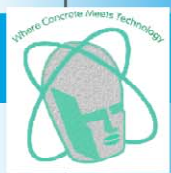
ADDITION RATES

The recommended dosage is 2 - 5 fl oz /100 lbs (130-325 mL/100kg) of cement. As with most plasticizers, water content should be monitored to achieve desired appearance. SP-311 is not a water reducer and should not be utilized as such. Please consult an ICT representative for further recommendations to determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix SP-311 with other admixtures before application.

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ConTec AC-501

DESCRIPTION

ConTec AC-501 is a ready to use liquid admixture formulated to provide faster set acceleration and increased early strength development in concrete. AC-501 is comprised of Calcium Chloride with additional chemical enhancements, to improve its effectiveness.

APPLICATION

Use **ConTec AC-501** in all zero-slump applications including gray block, architectural block, segmental retaining wall, pavers, roof tile, and slabs. AC-501 improves cement hydration may change the demand for batch water. For maximum product improvement always add batch water at the maximum allowed rate with your process.

PACKAGING

ConTec AC-501 is available in 55 gallon (208 L) drums weighing 620 lbs (281 kg) and 275 gallon (1041 L) totes weighing 3150 lbs (1429 kg).

TYPICAL PROPERTIES

Specific Gravity at 77F.....1.31 - 1.32
 Viscosity at 77F, cps<50
 Weight per gallon 10.90
 % Volatile matter (NVM(1))N/A

FEATURES / BENEFITS

- Increases product early and final strength.
- Offsets the effect of low temperature on setting time and early strength.
- Shortens setting time and increases rate of strength development.
- Designed for use in cold weather concreting.
- Cement hydration increases and helps raise and maintain temperature.

HANDLING / STORAGE

ConTec AC-501 can freeze at extremely low temperatures, but can be restored by thawing and thorough agitation. Always use cold water when diluting calcium chloride solution. Leather clothing and shoes will be damaged by calcium chloride.

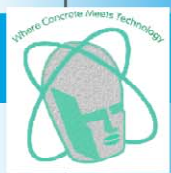
ADDITION RATES

The Dosage range for AC-501 is 7 to 18 US fl. Oz./100 lb. of cement. Please consult an ICT representative for further recommendations to determine the proper dosage rate and order of addition for your particular process. Order of addition procedures can vary per facility. Never mix AC-501 with other admixtures before application. Flush dispensing equipment before changing to or from any another admix.

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ConTec NC-505

DESCRIPTION

ConTec NC-505 is a non-corroding, chloride free accelerator. It does not corrode reinforcing steel or pre-stressed strands in concrete. It promotes strength development of the concrete and meets ASTM C 494 requirements as a type C admixture. NC-505 offsets the effects of cold weather by increasing hydration speed.

APPLICATION

ConTec NC-505 is compatible in concrete with all commercial air entraining admixtures. The amount used will depend upon the setting time of the non-admixture concrete and the temperature at placement. It may be added to the mix on the sand or in the water.

PACKAGING

ConTec AC-505 is available in 55 gallon (208 L) drums weighing 620 lbs (281 kg) and 275 gallon (1041 L) totes weighing 3150 lbs (1429 kg).

TYPICAL PROPERTIES

| | |
|----------------------------------|-------------|
| Specific Gravity at 77F..... | 1.30 - 1.32 |
| Viscosity at 77F, cps | 50—100 |
| Weight per gallon | 10.90 |
| % Volatile matter (NVM(1)) | NA |

FEATURES / BENEFITS

- Compatible with all types of Portland cement.
- Offers a significant reduction in corrosion to steel reinforcing.
- Increases the early strength of a concrete mixture.
- Designed for use in cold weather concreting.
- Shortens setting time for concrete.
- Easily dispensed with conventional admix dispensers.

HANDLING / STORAGE

ConTec NC-505 will freeze at approximately - 15°C, but can be completely restored by thawing and thorough agitation. It may cause irritation to eyes and skin upon contact. Proper protection should be worn.

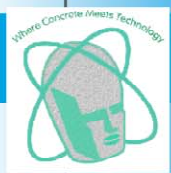
ADDITION RATES

The dosage range is 0.5 – 2.6 liters per 100Kg of cement. NC-505 at 0.78 – 0.98 liter per 100Kg of cement will reduce the setting time of typical Type I cement concrete by 2-3 hours (at 10°C) and a 25 to 50% increase in 3 day compressive strength is normally achieved.

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ConTec NC-537P

DESCRIPTION

ConTec NC-537P is a non-corroding, chloride free accelerator/plasticizer blend. It does not corrode metal block and paver pallets or machine parts. It promotes early strength development and ease of manufacturing in concrete masonry unit (CMU) mix designs. NC-537P helps offset the effects of cold weather by increasing hydration speed. It should be used year-round to shorten time between CMU manufacture and splitting or tumbling.

FEATURES / BENEFITS

- Compatible with all types of Portland cement.
- Ideal in masonry units that will be split or tumbled shortly after manufacturing.
- Increases the early strength of a concrete mixture.
- Plasticizer component adds lubricity to mix.
- Consolidates accelerating and plasticizing admixes into one economical product.
- Easily dispensed with conventional admix dispensers.

APPLICATION

ConTec NC-537P is compatible in all CMU mixes. It may be added to the mix on the sand or in the water.

HANDLING / STORAGE

ConTec NC-537P will freeze at approximately 23°F (-5°C), but can be completely restored by thawing and thorough agitation. It may cause irritation to eyes and skin upon contact. Proper protection should be worn.

PACKAGING

ConTec NC-537P is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 560 lbs (254 kg) and 265 gallon (1003 L) totes weighing 2750 lbs (1247 kg).

ADDITION RATES

Dosage must be determined by in-plant testing and is usually in the range of 8 to 30 US fluid ounces per 100 pounds of cement. Your ICT sales representative will help you determine your exact dosage.

TYPICAL PROPERTIES

| | |
|----------------------------------|-------------|
| Specific Gravity at 77F..... | 1.17 - 1.18 |
| Viscosity at 77F, cps | 50—100 |
| Weight per gallon | 9.8 |
| % Volatile matter (NVM(1)) | NA |

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ConTec CS-605

DESCRIPTION

ConTec CS-605 is an aqueous fine particle dispersion of acrylic polymer. It is designed to give concrete roof tile tough, water-resistant properties. ConTec CS-605 is proven effective on porous concrete masonry surfaces. It can be applied in the field or on the dry side of the production line. ConTec CS-605 can be tinted using approved pigments.

FEATURES / BENEFITS

- Deep penetrating.
- Non yellowing.
- Fast Drying - Reduces Blocking.
- Improves durability and chemical resistance.
- Reduces efflorescence on concrete products.
- Extremely blush resistant.

APPLICATION

Spray systems should be airless type. There is no need to over apply. Only one coat is required. Apply only when substrate and ambient temperatures are above 64 degrees F. Maintain temp for 3 hours or until completely dry.

HANDLING / STORAGE

ConTec CS-605 can be stored over a wide range of temperatures but should not be allowed to freeze. Should ConTec CS-605 freeze, it will not thaw to a usable product. Provide adequate ventilation with use.

PACKAGING

ConTec CS-605 is available in bulk quantities or packaged in 55 gallon (208 L) drums weighing 480 lbs (218 kg) and 265 gallon (1003 L) totes weighing 2400 lbs (1089 kg).

ADDITION RATES

Application rates can vary, depending on surface, from 100 to 225 square feet per gallon. Optimum coverage rates vary with geographic area. Always consult your ICT technical representative for recommendations for your application.

TYPICAL PROPERTIES

Specific Gravity at 77F..... 1.00 - 1.02
 Viscosity at 77F, cps 100 max
 Weight per gallon8.4 - 8.5
 % Volatile matter (NVM(1)) ~ 80
 VOCs (lbs/gallon)0.12 lb/gal or 2.9 lb/ton

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ICT General Office

Customer Service / Orders

Customer Service

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