# Chemical Admixtures for Concrete

NOTE: Refresh the page to view the most current list.

The following materials are pre-approved in accordance with DMS-4640, "Chemical Admixtures for Concrete."

The dosage rates indicated are the manufacturer's published recommended dosage rates for use under normal conditions. Determine actual dosage rates with trial mixes made with project materials under anticipated construction temperatures and conditions.

1. When using any of the combinations of "Group I, Chemical Admixtures" and "Group II, Air Entraining Admixtures," ensure they are added to the concrete mix separately.
2. Concrete admixtures may exhibit substantially different performances with different brands or changing chemistry of cement. This is usually most noticeable in the retarding effect at a specified dosage. In those cases where a pre-approved admixture does not seem to provide satisfactory performance, please immediately notify the Materials & Pavements Section of the Construction Division at (512) 506-5858.

The Department reserves the right to conduct random sampling of pre-approved materials for testing and to perform random audits of test reports. Department representatives may sample material from the manufacturing plant, terminal, shipping container, and concrete plant. CST/M&P reserves the right to test samples to verify compliance with DMS-4640.

Information on the solids content is included when performing a concrete mix design.

## Group 1, Chemical Admixtures

- Type A: Water Reducing Admixtures
  - These admixtures reduce the quantity of mixing water required to produce concrete of a given consistency.

**Pre-Approved Water Reducing Admixtures (Type A)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Adva 140M | 390 to 1300 (6 to 20) | 16 | W. R. Grace | 99532 |
| Adva 190 | 130 to 325 (2 to 5) | 31 | | |
| Chryso Enviromix 159 | 195 to 780 (3 to 12) | 33 | Chryso | 99396 |
| Chryso Enviromix 300 | 195 to 780 (3 to 12) | 33 | | |
| Chryso Enviromix 380 | 195 to 652 (3 to 10) | 18 | | |
| Chryso Enviromix 728 | 325 to 1170 (5 to 18) | 21 | | |
| Chryso Enviromix i40 | 195 to 780 (3 to 12) | 34 | | |
| Chryso Enviromix N | 195 to 780 (3 to 12) | 33 | | |
| Chryso Fluid Optima 203 | 196 to 522 (3 to 8) | 22 | | |
| Chryso Fluid Optima 216 | 522 to 1304 (8 to 20) | 22 | | |
| Chryso Fluid Optima 256 | 130 to 587 (2 to 9) | 36 | | |
| Chryso Plast 209 | 195 to 390 (3 to 6) | 34 | | |
| Chryso Plast CP 40 EMX | 195 to 780 (3 to 12) | 33 | | |
| Chryso Plast MR700 | 260 to 910 (4 to 14) | 39 | | |
| Chryso Plast MR | 195 to 780 (3 to 12) | 42 | | |
| Chryso Plast MRP | 260 to 780 (4 to 12) | 33 | | |
| Chryso Plast P150 | 196 to 327 (3 to 5) | 35 | | |
| Chryso Plast P400 | 196 to 390 (3 to 6) | 40 | | |
| Chryso Plast PS40 | 130 to 325 (2 to 5) | 37 | | |
| Chryso ProPel 4600 | 457 to 1305 (7 to 20) | 41 | | |
| Daracem 55 | 195 to 585 (3 to 9) | 44 | W. R. Grace | 99532 |
| Daracem 65 | 195 to 780 (3 to 12) | 36 | | |
| Eucon A+ | 195 to 522 (3 to 8) | 42 | Euclid Chemical Corp. | 99924 |
| Eucon HC | 130 to 390 (2 to 6) | 39 | | |
| Eucon LR[1] | 195 to 260 (3 to 4) | 40 | | |
| Eucon LW | 195 to 390 (3 to 6) | 42 | | |

**Pre-Approved Water Reducing Admixtures (Type A)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Eucon MR | 260 to 910 (4 to 14) | 44 | | |
| Eucon NR | 195 to 390 (3 to 6) | 43 | | |
| Eucon NW | 195 to 390 (3 to 6) | 43 | | |
| Eucon Pro-Finish | 196 to 325 (3 to 5) | 38 | | |
| Eucon SPC | 195 to 390 (3 to 6) | 41 | | |
| Eucon SPJ | 260 to 455 (4 to 7) | 34 | | |
| Eucon WR | 260 (4) | 38 | | |
| Eucon WR 75 | 130 to 195 (2 to 3) | 44 | | |
| Eucon WR 91 | 125 to 375 (2 to 6) | 42 | | |
| Eucon X-15 | 195 to 975 (3 to 15) | 43 | | |
| Eucon X-20 | 195 to 975 (3 to 15) | 27 | | |
| Fluid Premia 180 | 196 to 522 (3 to 8) | 25 | Chryso | 98128 |
| Fluid Premia 196 | 130 to 522 (2 to 8) | 25 | | |
| Genesis 112 | 130 to 390 (2 to 6) | 27 | General Resource Tech. | 99289 |
| Glenium 3030 NS | 390 to 1170 (6 to 18) | 30 | BASF Admixtures | 99470 |
| Glenium 3400 NV | 130 to 780 (2 to 12) | 44 | | |
| Glenium 7500 | 130 to 975 (2 to 15) | 26 | | |
| KB-1200 | 195 to 780 (3 to 12) | 46 | General Resource Tech. | 99289 |
| MasterPave | 260 to 390 (4 to 6) | 41 | BASF Admixtures | 99470 |
| MasterPave N | 130 to 260 (2 to 4) | 45 | | |
| Melchem | 390 to 1625 (6 to 25) | 34 | General Resource Tech. | 99289 |
| MIRA 59 | 190 to 590 (3 to 9) | 46 | W. R. Grace | 99532 |
| MIRA 62 | 130 to 390 (2 to 6) | 18 | | |
| MIRA 85 | 195 to 780 (3 to 12) | 44 | | |
| MIRA 110 | 195 to 325 (3 to 5) | 17 | | |
| MIRA PAVE 11 | 195 to 325 (3 to 5) | 17 | | |
| Plastocrete 161 | 195 to 325 (3 to 8) | 35 | Sika Corp. | 99572 |
| Plastol Ultra 109 | 130 to 780 (2 to 12) | 40 | Euclid Chemical Corp. | 99924 |
| Polychem 400 NC | 195 to 325 (3 to 5) | 42 | General Resource Tech. | 99289 |
| Polychem 775 | 130 to 195 (2 to 3) | 18 | | |
| Polychem 1000 | 195 to 390 (3 to 6) | 36 | | |

**Pre-Approved Water Reducing Admixtures (Type A)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Polychem KB 1000 | 195 to 520 (3 to 8) | 36 | | |
| Polychem Paver Plus | 130 to 520 (2 to 88) | 38 | | |
| Polychem SPC | 130 to 190 (2 to 3) | 37 | | |
| Polyheed 900 | 195 to 980 (3 to 15) | 41 | BASF Admixtures | 99470 |
| Polyheed 997 | 195 to 780 (3 to 15) | 48 | | |
| Polyheed 1020 | 195 to 780 (3 to 12) | 24 | | |
| Polyheed 1025 | 195 to 780 (3 to 12) | 25 | | |
| Polyheed 1720 | 195 to 780 (3 to 12) | 19 | | |
| Polyheed 1725 | 195 to 780 (3 to 12) | 18 | | |
| Pozzolith 80* | 260 to 650 (4 to 10) | 41 | | |
| Pozzolith 200N | 195 to 325 (3 to 5) | 32 | | |
| Pozzolith 220N | 130 to 325 (2 to 5) | 44 | | |
| Pozzolith 322N | 195 to 455 (3 to 7) | 44 | | |
| PS 1466 | 130 to 260 (2 to 4) | 40 | | |
| Sikament 686 | 195 to 780 (3 to 12) | 20 | Sika Corp. | 99572 |
| Sikament MP | 195 to 780 (3 to 12) | 38 | | |
| Sikament N | 390 to 1300 (6 to 20) | 41 | | |
| Sikaplast 500 | 195 to 780 (3 to 12) | 33 | | |
| ViscoCrete 2100 | 130 to 1040 (2 to 16) | 40 | | |
| ViscoCrete 4100 | 195 to 780 (3 to 12) | 40 | | |
| ViscoCrete 6100 | 195 to 1040 (3 to 16) | 40 | | |
| WRDA 27 | 130 to 390 (2 to 6) | 34 | W. R. Grace | 99532 |
| WRDA 35 | 130 to 520 (2 to 8) | 41 | | |
| WRDA 64 | 195 to 390 (3 to 6) | 44 | | |
| WRDA 79 | 195 to 650 (3 to 10) | 35 | | |
| WRDA 82 | 162 to 390 (2.5 to 6) | 45 | | |
| WRDA PAVE 18 | 162 to 390 (2.5 to 6) | 45 | | |
| WRDA with HYCOL | 195 to 390 (3 to 6) | 42 | | |
| ZYLA 610 | 130 to 260 (2 to 4) | 21 | | |

1. These admixtures entrain small amounts of air.

- Type B: Retarding Admixtures
  - These admixtures retard the setting of concrete.

**Pre-Approved Retarding Admixtures (Type B)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| CHRYSO®Tard | 196 to 978 (3 to 15) | 15 | Chryso | 98128 |
| Eucon DS | 260 to 390 (4 to 6) | 26 | Euclid Chemical Corp. | 99924 |
| Plastiment ES | 130 to 260 (2 to 4) | 34 | Sika Corp. | 99572 |
| Pozzolith 200N | 260 to 390 (4 to 6) | 34 | BASF Admixtures | 99470 |
| Pozzolith 700N | 195 to 450 (3 to 7) | 28 | | |
| Pozzolith 961R | 195 to 325 (3 to 5) | 34 | | |
| SikaTard 440 | 130 to 520 (2 to 8) | 20 | Sika Corp | 99572 |
| SikaTard 930 | 130 to 325 (2 to 5) | 23 | | |
| V-MAR VSC500 | 455 to 975 (7 to 15) | 16 | W. R. Grace | 99532 |
| Zyla R | 195 to 325 (3 to 5) | 34 | | |

- Type C: Accelerating Admixtures (Non-Chloride)
  - These admixtures accelerate the setting and early strength development of concrete.
  - Do not use accelerating admixtures on bridge decks or the top slab of direct traffic culverts.

**Pre-Approved Accelerating Admixtures (Non-Chloride) (Type C)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Accelguard 80 | 1040 to 2080 (16 to 32) | 60 | Euclid Chemical Corp. | 99924 |
| Accelguard NCA | 780 to 4875 (12 to 75) | 59 | | |
| Chryso TurboCast 650A | 397 to 5850 (6 to 90) | 47 | Chryso | 99396 |
| Chryso Turbocast 701 | 650 to 5850 (10 to 90) | 34 | | |
| Chryso Turbocast K | 3910 to 5850 (60 to 90) | 47 | | |
| Chryso Turbocast NCT | 520 to 5850 (8 to 90) | 62 | | |
| Daraset 200 | 650 to 3910 (10 to 60) | 47 | W. R. Grace | 99532 |
| Daraset 400 | 650 to 3910 (10 to 60) | 54 | | |
| Daraset HES | 520 to 1960 ( 8 to 30) | 38 | | |
| Daraset PAVE 20 | 650 to 3910 (10 to 60) | 47 | | |
| DCI Corrosion Inhibitor | 2730 to 8320 (42 to 128) | 33 | | |
| Eucon AcN | 975 to 3900 (15 to 60) | 45 | Euclid Chemical Corp. | 99924 |
| Eucon AcN200 | 650 to 3900 (10 to 60) | 42 | | |
| Eucon CIA | 3250 to 9750 (50 to 150)[1] | 32 | | |
| Gilco Accelerator | 650 to 2680 (10 to 40) | 45 | W. R. Grace | 99532 |
| Polarset | 520 to 6500 (8 to 100) | 42 | | |
| Polychem Superset | 520 to 2080 (8 to 32) | 59 | General Resource Tech. | 99289 |
| Pozzolith NC 534 | 650 to 2925 (10 to 45) | 50 | BASF Admixtures | 99470 |
| Pozzutec 20+ | 325 to 3910 (5 to 60) | 48 | | |
| Rheocrete CNI | 2600 to 5850 (40 to 90) | 33 | | |
| Sika CNI | 3250 to 9750 (50 to 150)[1] | 33 | Sika Corp. | 99572 |
| Sika Rapid – 1 | 520 to 3120 (8 to 48) | 32 | | |
| Sika Set NC | 650 to 2940 (10 to 60) | 46 | | |

1. Do not exceed 17,366 mL/$m^3$ or 768 oz/CY.

- Type D: Water-Reducing, Retarding Admixtures
  - These admixtures reduce the quantity of mixing water required to produce concrete of a given consistency and retard the setting of concrete.

**Pre-Approved Water Reducing Retarding Admixtures (Type D)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Chryso NutralSet | 65 to 2283 (1 to 35) | 15 | Chryso | 99396 |
| Chryso Tard 100R | 130 to 260 (2 to 4) | 36 | | |
| Daratard 17 | 130 to 260 (2 to 8) | 50 | W. R. Grace | 99532 |
| Daratard 37 | 130 to 260 (2 to 8) | 45 | | |
| Daratard PAVE 30 | 130 to 260 (2 to 8) | 45 | | |
| Delvo Stabilizer | 195 to 325 (3 to 5) | 14 | BASF Admixtures | 99470 |
| Eucon HC | 130 to 390 (2 to 6) | 39 | Euclid Chemical Corp. | 99924 |
| Eucon LR[1] | 260 to 650 (4 to 10) | 40 | | |
| Eucon NR | 260 to 520 (4 to 8) | 43 | | |
| Eucon Retarder | 520 (8) | 42 | | |
| Eucon Retarder 75 | 195 to 325 (3 to 5) | 34 | | |
| Eucon Retarder 100 | 130 to 390 (2 to 6) | 39 | | |
| Eucon TR | 195 to 390 (3 to 6) | 34 | | |
| FR-1 | 98 to 130 (1-1/2 to 2) | 92 | Fritz-Pak Corp. | 99803 |
| HPS-R[1] | 260 to 520 (4 to 8) | 38 | Hunt Process-Southern | 99473 |
| MasterPave RI | 130 to 195 (2 to 3) | 47 | BASF Admixtures | 99470 |
| Plastiment | 130 to 390 (2 to 6) | 33 | Sika Corp. | 99572 |
| Plastiment ES | 130 to 260 (2 to 4) | 34 | | |
| Polychem R | 130 to 325 (2 to 5) | 45 | General Resource Tech. | 99289 |
| Pozzolith 80[1] | 455 to 650 (7 to 10) | 41 | BASF Admixtures | 99470 |
| Pozzolith 100XR | 130 to 260 (2 to 4) | 50 | | |
| Pozzolith 200N | 260 to 390 (4 to 6) | 50 | | |
| Pozzolith 300R | 195 to 325 (3 to 5) | 50 | | |
| Pozzolith 700N | 195 to 450 (3 to 7) | 28 | | |
| Pozzolith 961R | 195 to 325 (3 to 5) | 34 | | |
| Recover | 130 to 780 (2 to 12) | 21 | W. R. Grace | 99532 |
| Standard Delayed Set | 195 to 325 (3 to 5) | 93 | Fritz-Pak Corp. | 99803 |
| V-Mar VSC500 | 455 to 975 (7 to 15) | 16 | W. R. Grace | 99532 |

**Pre-Approved Water Reducing Retarding Admixtures (Type D)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| WRDA 64 | 195 to 590 (4 to 9) | 44 | | |
| Zyla 610 | 260 to 783 (4 to 7) | 20 | | |
| Zyla R | 195 to 325 (3 to 5) | 12 | | |

1. These admixtures entrain a small amount of air.

- Type F: High Range Water-Reducing Admixtures (HRWR)
  - These are admixtures that reduce the quantity of mixing water required to produce concrete of a given consistency by 12% or greater.
  - Do not use this type admixture on bridge deck concrete.

**Pre-Approved High Range Water-Reducing Admixtures (Type F)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Adva 140M | 390 to 1300 (6 to 20) | 16 | W.R. Grace | 99532 |
| ADVA 190 | 195 to 590 (3 to 9) | 30 | | |
| ADVA 195 | 195 to 980 (3 to 15) | 32 | | |
| ADVA Cast 555 | 400 to 1400 (6 to 20) | 16 | | |
| ADVA Cast 575 | 130 to 650 (2 to 10) | 40 | | |
| ADVA Cast 600 | 130 to 650 (2 to 10) | 38 | | |
| Adva Flex | 260 to 910 (4 to 14) | 29 | | |
| Borem 100 HML | 650 to 1300 (10 to 20) | 42 | Boremco Specialty | 99268 |
| Chryso ProPel 3300 | 520to 1430 (8 to 22) | 40 | | |
| Chryso ProPel 4600 | 457 to 1305 (7 to 20) | 41 | | |
| Chryso ProPel AG | 650 to 1300 (10 to 20) | 38.5 | | |
| Chryso ProPel XL25 | 325 to 975 (5 to 15) | 28 | | |
| Daracem 19 | 390 to 1300 (6 to 20) | 40 | W. R. Grace | 99532 |
| Eucon 37 | 650 to 1040 (10 to 16) | 40 | Euclid Chemical Corp. | 99924 |
| Encon 1037 | 650 to 1625 (10 to 25) | 41 | | |
| Eucon MRX | 195 to 782 (3 to 12) | 30 | | |
| Eucon SP | 390 to 1625 (6 to 25) | 40 | | |
| Eucon SPC | 195 to 800 (3 to 12) | 40 | | |

**Pre-Approved High Range Water-Reducing Admixtures (Type F)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Eucon SPJ | 260 to 455 (4 to 7) | 34 | | |
| Eucon SPQ | 300 to 1000 (5 to 16) | 48 | | |
| Eucon X-15 | 195 to 975 (3 to 15) | 43 | | |
| Eucon X-20 | 195 to 980 (3 to 15) | 27 | | |
| EXP 950 | 130 to 650 (2 to 10) | 40 | W. R. Grace | 99532 |
| Fluid Optima 126 | 456 to 1304 (7 to 20) | 21 | Chryso | 98128 |
| Fluid Optima 203 | 196 to 522 (3 to 8) | 22 | | |
| Fluid Optima 216 | 522 to 1304 (8 to 20) | 22 | | |
| Fluid Optima 256 | 457 to 783 (7 to 16) | 36 | | |
| Fluid Premia 180 | 196 to 522 (3 to 8) | 25 | | |
| Fluid Premia 196 | 392 to 1043 (6 to 16) | 25 | | |
| Genesis 112 | 390 to 1304 (6 to 20) | 27 | General Resource Tech. | 99289 |
| Glenium 3030 NS | 390 to 1170 (6 to 18) | 20 | BASF Admixtures | 99470 |
| Glenium 3400 NV | 130 to 780 (2 to 12) | 45 | | |
| Glenium 7101 | 195 to 780 (3 to 12) | 32 | | |
| Glenium 7500 | 130 to 975 (2 to 15) | 26 | | |
| Glenium 7700 | 260 to 975 (4 to 15) | 34 | | |
| Glenium 7710 | 130 to 975 (2 to 15) | 25 | | |
| Melchem | 390 to 1625 (6 to 25) | 34 | General Resource Tech. | 99289 |
| MIRA 62 | 390 to 975 (6 to 15) | 18 | W. R. Grace | 99532 |
| MIRA 85 | 195 to 780 (3 to 12) | 44 | | |
| MIRA 110 | 350 to 975 (6 to 15) | 17 | | |
| MIRA PAVE 11 | 350 to 975 (6 to 15) | 17 | | |
| Plastol 5000 | 195 to 975 (3 to 15) | 32 | Euclid Chemical Corp. | 99924 |
| Plastol 5500 | 195 to 520 (3 to 8) | 40 | | |
| Plastol Ultra 109 | 130 to 780 (2 to 12) | 40 | | |
| Polychem 775 | 391 to 1304 (6 to 20) | 18 | General Resource Tech. | 99289 |
| Polychem Paver Plus | 190 to 392 (3 to 6) | 37 | | |
| Polychem SPC | 130 to 520 (2 to 8) | 38 | | |
| Polyheed 1020 | 195 to 780 (3 to 12) | 24 | BASF Admixtures | 99470 |
| Polyheed 1025 | 195 to 780 (3 to 12) | 25 | | |

**Pre-Approved High Range Water-Reducing Admixtures (Type F)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Polyheed 1720 | 195 to 780 (3 to 12) | 19 | | |
| Polyheed 1725 | 195 to 780 (3 to 12) | 18 | | |
| PS 1466 | 260 to 650 (4 to 10) | 40 | | |
| Rheobuild 1000 | 650 to 1625 (10 to 25) | 41 | | |
| Sikament N | 390 to 1300 (6 to 20) | 41 | Sika Corp. | 99572 |
| Sikament 686 | 195 to 780 (3 to 12) | 20 | | |
| Sikaplast 500 | 195 to 780 (3 to 12) | 33 | | |
| SP7000 | 195 to 980 (3 to 15) | 40 | Riteks, Inc. | 98250 |
| Supercizer 1 | 325 to 455 (5 to 7) | 95 | Fritz-Pak Corp. | 99803 |
| Supercizer 5 | 325 to 455 (5 to 7) | 91 | | |
| ViscoCrete 1000 | 195 to 780 (3 to 12) | 30 | Sika Corp. | 99572 |
| ViscoCrete 2100 | 130 to 1040 (2 to 16) | 40 | | |
| ViscoCrete 2110 | 195 to 780 (3 to 12) | 40 | | |
| ViscoCrete 4100 | 195 to 780 (3 to 12) | 40 | | |
| ViscoCrete 6100 | 195 to 1040 (3 to 16) | 40 | | |

- Type G: Water-Reducing High Range and Retarding Admixtures
  - These are admixtures that reduce the quantity of mixing water required to produce concrete of a given consistency by 12% or greater and retard the setting of concrete.
  - Do not use this type admixture on bridge deck concrete.

**Pre-Approved Water-Reducing High Range and Retarding Admixtures (Type G)**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Borem RD-1 | 520 to 1040 (8 to 16) | 45 | Boremco Specialty | 99268 |
| Fluid Optima 100 | 195 to 780 (4 to 30) | 30 | Chryso | 98128 |
| Daracem 100 | 325 to 1300 (5 to 20) | 41 | W. R. Grace | 99532 |
| Eucon 537 | 650 to 1300 (10 to 20) | 43 | Euclid Chemical Corp. | 99924 |
| Eucon RD-2 | 390 to 650 (6 to 10) | 42 | | |
| Supercizer 7 | 260 to 780 (4 to 12) | 89 | Fritz-Pak Corp. | 99803 |

## Group II, Air Entraining Admixtures

- Air Entraining Admixtures
  - These are admixtures added to the batch for entraining air.
  - The dosage MUST be adjusted as necessary to produce the required air content in the concrete within the specified tolerances.

**Pre-Approved Air Entraining Admixtures**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| AEA-92 | 33 to 65 (1/2 to 1) | 6 | Euclid Chemical Corp. | 99924 |
| AEA-92S | 33 to 130 (1/2 to 2) | 3 | | |
| Air-Mix 200 | 33 to 65 (1/2 to 1) | 15 | | |
| Air-In (12%) | 33 to 130 (1/2 to 2) | 12 | Hunt Process-Southern | 99473 |
| Air-In –XT | 33 to 130 (1/2 to 2) | 7 | | |
| Air Plus | 16 to 81 (1/4 to 1-1/4 ) | 98 | Fritz-Pak Corp. | 99803 |
| Airalon 3000 | 30 to 200 (1/2 to 3) | 3 | W.R. Grace | 99532 |
| Chryso Air TX | 33 to 130 (1/2 to 2) | 10 | Chryso | 99396 |
| Chryso Air VR | 33 to 130 (1/2 to 2) | 12.5 | | |
| Chryso Air 260 | 13 to 195 (1/5 to 3.0) | 7 | | |
| Daravair AT30 | 15 to 200 (1/4 to 3) | 10 | W. R. Grace | 99532 |
| Daravair AT60 | 15 to 200 (1/4 to 3) | 20 | | |
| Daravair-1000 | 33 to 195 (1/2 to 3) | 5 | | |
| Daravair PAVE 10 | 33 to 195 (1/2 to 3) | 5 | | |
| Darex AEA | 49 to 195 (3/4 to 3) | 6 | | |
| Darex II AEA | 33 to 195 (1/2 to 5) | 10 | | |
| Euco Air Mix | 33 to 65 (1/2 to 1) | 15 | Euclid Chemical Corp. | 99924 |
| Eucon Air 30 | 33 to 260 (1/2 to 4) | 3 | | |
| Eucon Air 40 | 16 to 260 (1/4 to 4) | 13 | | |
| Everair Plus | 16 to 260 (1/4 to 4) | 8 | BASF Admixtures | 99470 |
| MB AE 90 | 16 to 260 (1/4 to 4) | 6 | | |
| MB-VR | 16 to 260 (1/4 to 4) | 13 | | |
| Micro-Air | 8 to 260 (1/8 to 4) | 12 | | |

**Pre-Approved Air Entraining Admixtures**

| Product | Dosage in ml per 100 kg (oz. per 100 lb.) of Cement | Approx. % Solids (for mix design) | Producer | Producer Code |
|---|---|---|---|---|
| Pave-Air | 16 to 260 (1/4 to 4) | 13 | | |
| Polychem AE | 16 to 130 (1/4 to 2) | 6 | General Resource Tech. | 99289 |
| Polychem SA | 8 to 130 (1/8 to 2) | 7 | | |
| Polychem SA-50 | 30 to 200 (1/2 to 3) | 3 | | |
| Polychem VR | 8 to 195 (1/8 to 3) | 15 | | |
| Quantec PL-466 | 130 to 325 (2 to 5) | 13 | W. R. Grace | 99532 |
| Sika AEA-14 | 130 to 195 (1 to 3) | 8 | Sika Corp. | 99572 |
| Sika AEA-15 | 33 to 98 (1/2 to 1-1/2) | 16 | | |
| Sika AER | 33 to 98 (1/2 to 1-1/2) | 17 | | |
| Sika Air | 65 to 195 (1/2 to 3) | 6 | | |
| Sika Multi Air 25 | 13 to 195 (0.2 to 3) | 6 | | |
| Super Air Plus | 16 to 81 (1/4 to 1-1/4 ) | 97 | Fritz-Pak Corp. | 99803 |
| Terapave | 30 to 200 (1/2 to3) | 10 | W.R. Grace | 99532 |