



Deval L. Patrick, Governor
Timothy P. Murray, Lt. Governor
Jeffrey B. Mullan, Secretary & CEO
Frank DePaola, Acting Administrator



May 19, 2011

Mr. Chris Dauphinais
Dauphinais Concrete
PO Box 461
Sutton, MA 01590

Subject: Dauphinais Concrete Douglas, MA plant Cement Concrete Mix Design submittals and Trial Batches for the year 2011.

Dear Sir:

The following English and Metric cement concrete mix design submittals have been reviewed by this section and are **approved as specified below, subject to performance at the plant, on the project or in the laboratory**. Any changes will require new mix design submittals and trial batches.

Approved: Using Pyne Stone and Sand Douglas, MA, Lafarge Ravena, NY Type II Cement, Headwaters Somerset, MA Type F Fly Ash, Darex II, Recover, ADVA 140, Microsilica and DCI S.

3000 psi – ¾ inch – 416 lbs Cement / 104 lbs Fly Ash

4000 psi – ¾ inch – 489 lbs Cement / 122 lbs Fly Ash

4000 psi – 1½ inch – 480 lbs Cement / 120 lbs Fly Ash

*(HP) 4000 psi – ¾ inch – 440 lbs Cement / 110 lbs / 35 lbs Microsilica / 384 oz - DCI S - Pending -

- coulomb test results

* For non wearing surface applications only.

20 MPa – 20mm – 247 kg Cement / 62 kg Fly Ash

30 MPa – 20mm – 290 kg Cement / 72 kg Fly Ash

30 MPa – 40mm – 285 kg Cement / 71 kg Fly Ash

*(HP) 30 MPa – 20mm – 261 kg Cement / 65 kg / 20.8 kg Microsilica / 14852 ml DCI S - Pending -

- coulomb test results

* For non wearing surface applications only.

Sincerely,

John E. Grieco, P.E.

Director of Research and Materials

Encl.

JEG/gp

C: P. Styffe

Wilke J. Gingras, District 3 Materials Engineer / with enclosure.



Deval L. Patrick, Governor
Timothy P. Murray, Lt. Governor
Jeffrey B. Mullan, Secretary & CEO
Luisa Paiewonsky, Administrator



June 7, 2011

Mr. Chris Dauphinais
Dauphinais Concrete
PO Box 461
Sutton, MA 01590

Subject: Dauphinais Concrete Douglas, MA plant Cement Concrete Mix Design submittals and Trial Batches for the year 2011.

Dear Sir:

The following English and Metric cement concrete mix design submittals have been reviewed by this section and are **approved as specified below, subject to performance at the plant, on the project or in the laboratory**. Any changes will require new mix design submittals and trial batches.

Approved: Using Morse Attleboro S&G Attleboro, MA Stone, Pyne Sand Douglas, MA, Lafarge Ravena, NY Type II Cement, Headwaters Somerset, MA Type F Fly Ash, Darex II, Recover, ADVA 140, Exp 950, Microsilica and DCI S.

4000 psi – ¾ inch – 526 lbs Cement / 132 lbs Fly Ash
(HP) 4000 psi – ¾ inch – 468 lbs Cement / 82 lbs / 35 lbs Microsilica / 384 oz - DCI S - **Pending coulomb - test results**

5000 psi – ¾ inch – 564 lbs Cement / 141 lbs Fly Ash

30 MPa – 20mm – 312 kg Cement / 78 kg Fly Ash
(HP) 30 MPa – 20mm – 278 kg Cement / 49 kg / 20.8 kg Microsilica / 14853 ml DCI S - **Pending coulomb - test result**

35 MPa – 20mm – 335 kg Cement / 84 kg Fly Ash

Sincerely,

John E. Grieco, P.E.
Director of Research and Materials

Encl.

JEG/gp

C: P. Styffe

J. Gingras, District 3 Materials Engineer / with enclosure.

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