

*This page will be public facing

LOCATION OF CONSTRUCTION

Building or Project Name (if applicable) Oxford/ North		
Street Number 2619	Street Name Oxford Street	Suite/Unit Number
Community Halifax		
Other Location Information (if no civic number assigned)		
Associated permits numbers BP-2021-08020	Description Construct a 7 storey 128 unit residential building	Estimated project start date / end date Dec 5, 2022/Dec 5, 2023

ANTICIPATED NOISE EVENT(S)

Describe the activity, including the type of noise impacts, and duration of the expected after/before hours noise events. General purpose behind the anticipated noise event will primarily be based on concrete placement and finishing.

Noise will likely consist of trucks revving up to unload , active workers talking , and general light banging and small gas engine vibrators and polishers.

Generally the placement of the concrete will be done during regular allowed hours but may run late due to mechanical issues, traffic or weather. Polishing of slabs is the key time factor as it coincides with curing of placed concrete which is weather / temperature driven but generally consists of lower noise levels. Polishing / finishing of slabs could range from a few hrs to overnight pending on slab size and weather conditions.

REASON FOR EXEMPTION

Description of why noise within the prohibited hours of the N-200 By-law is required.

Exemption would be necessary due to curing times of the concrete. Larger slabs poured at 7-8 am generally are not workable until later in the afternoon pending weather conditions and can take anywhere from 3-4 hrs up to 8-10 hrs or more to finish pending on slab size and conditions.

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MITIGATION MEASURES – SITE ORGANIZATION

Describe what site-specific steps you will take to reduce the impact of the noise during all hours of construction. (i.e. measures could include locating construction equipment away from residences, discouraging queuing of vehicles prior to site opening etc.)

Generally we would try to pour first thing in the morning and stage trucks and equipment as far away from neighboring properties as we can and site conditions will allow.

We also try our best to start our finishing process closest to neighboring properties as early as possible, this will help keep the noise down as the night goes on. We also try our best to do pours Monday to Friday to limit weekend work when schedules allow.

MITIGATION MEASURES - EQUIPMENT

Describe what equipment related steps you will take to reduce the impact of the noise during all hours of construction. (i.e. measures could include sound barriers to muffle generators, scheduled inspections of equipment's condition etc.)

We try to mitigate sound by staging as far away from neighbors as possible (site / trades offices, storage cans, equipment). Using electric sky crane and buckets to place concrete instead of large pumper trucks. Organizing delivery's during normal working hours and controlling trade vehicle / equipment access to site during off hours. Placing of generators and pumps within the site and only run when needed and shut of when not being used. Regular inspection of equipment to ensure proper operation, including mufflers and lubrication of parts.

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MITIGATION MEASURES - OTHER

Describe what other steps you will take to reduce the impact of the noise during all hours of construction. (i.e. measures could include training, schedule after hours truck routes, solid hoarding and other measures not otherwise listed.)

- Educating trades and suppliers on the importance of community respect and take into consideration how they would feel if they lived next door.
- Try and keep deliveries / larger noise events between non restricted work hours Monday to Friday when possible.
- Use of electric or gas tools when feasible.
- Use hoardings / tarps to help deflect noise.
- Ensure unnecessary noise is controlled i.e. radios, yelling, leaving equipment running when not readily being used ect.
- Use of admixtures to help cure concrete in a timely manner during low temperatures.

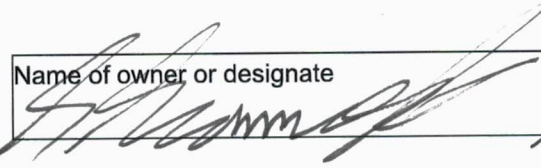
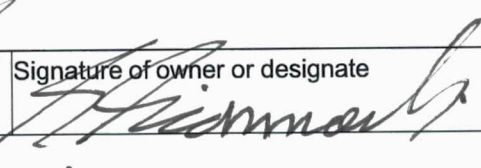
SUPPORTING DOCUMENTATION (IF APPLICABLE)

List any attachments supporting the noise mitigation that are included with this application (i.e. site plan, sound attenuation material/system specifications).

1. Pozzutec 20+ Acceleration Admixture for curing concrete
2. Insulated tarps to deflect noise
3. Large capacity multi-chamber exhaust system, reduced mechanical noise due to light weight
4. noise-reducing materials

AUTHORIZED SIGNATURE

As the owner or the designate appointed by the owner, I shall at all times observe and comply with, and endeavor to ensure strict observance of and compliance with all statutory requirements, rules, regulations, by-laws, terms and conditions, which are related to this exemption.

Name of owner or designate 	Signature of owner or designate 	Date (yyyy-mm-dd) 2022/12/06
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Description

Pozzutec® 20+ admixture is a multi-component, non-chloride, water-reducing and accelerating admixture formulated to accelerate concrete setting time and increase early and ultimate strengths across a wide range of ambient temperatures (hot, mild, cold and subfreezing). Pozzutec 20+ admixture meets ASTM C 494/C 494M requirements for Type C, accelerating, and Type E, water-reducing and accelerating, admixtures.

Applications

Recommended for use in:

- Concrete being placed in subfreezing ambient conditions
- Reinforced, precast, pumped, flowable, lightweight or normal weight concrete and shotcrete (wet mix)
- Concrete placed on galvanized steel floor and roof systems
- Prestressed concrete
- Fast-track concrete construction
- Concrete subject to chloride ion limitations
- Rheodynamic® Self-Consolidating Concrete
- Pervious Concrete
- 4x4™ Concrete

POZZUTEC® 20+

Accelerating Admixture

Features

- Accelerated setting time
- Especially effective for concrete placement at ambient temperatures as low as 20 °F (-7 °C)
- Superior workability
- Increased early and ultimate strength
- Superior finishing characteristics for flatwork and cast surfaces

Benefits

- Earlier finishing of slabs – reduced labor costs
- Reduced in-place concrete costs
- Reduced or eliminated heating and protection time in cold weather
- Earlier stripping and reuse of forms

Performance Characteristics

Mix Data

Type II cement, lb/yd ³ (kg/m ³)	600 (356)
Slump, in. (mm)	4 ± 1 (100 ± 25)
Air Content, %	Non-air-entrained concrete
Concrete Temperature	55 °F (12 °C)

Mild Weather

Setting Time: Ambient Temperature: 70 °F (21 °C)

Mix	Time of Set	
	Initial Set (h:min)	Comparison (h:min)
Plain	4:30	REF
Pozzutec 20+ admixture @ 10 fl oz/cwt (650 mL/100 kg)	3:18	- 1:12

Cold Weather

Setting Time: Ambient Temperature: 50 °F (10 °C)

Mix	Time of Set	
	Initial Set (h:min)	Comparison (h:min)
Plain	5:48	REF
Pozzutec 20+ admixture @ 20 fl oz/cwt (1,300 mL/100 kg)	4:00	- 1:48

Product Data: POZZUTEC® 20+

Subfreezing Weather

Setting Time: Ambient Temperature: 30 °F (–1 °C)

Mix	Time of Set	
	Initial Set (h:min)	Comparison (h:min)
Plain	12:12	REF
Pozzutec 20+ admixture @		
60 fl oz/cwt (3,910 mL/100 kg)	3:54	– 8:18
90 fl oz/cwt (5,850 mL/100 kg)	2:24	– 9:48

Guidelines for Use

Dosage: The specific dosage of Pozzutec 20+ admixture for a given application is dependent on ambient and concrete temperatures, cement chemistry, concrete mixture proportions, the amount of set time acceleration needed and strength performance required. Listed below are the recommended dosage ranges for various weather applications.

Recommended Dosage for Mild and Cold Weather Applications: Use 5 - 60 fl oz/cwt (325 - 3,910 mL/100 kg) of cementitious material. As the dosage rate of Pozzutec 20+ admixture is increased, setting time is accelerated and early and ultimate strengths are increased.

Recommended Dosage for Subfreezing Weather Applications: Use 60 - 90 fl oz/cwt (3,910 - 5,870 mL /100 kg) of cementitious material to reduce the freezable water content of the mixture, to accelerate setting time and to provide early protection against freezing while the concrete is plastic in subfreezing temperatures. Conservation of the heat generated by the concrete through the use of wind protection and/or insulation will permit placement in subfreezing ambient temperatures. See ACI 306.1, "Standard Specification for Cold Weather Concreting," and ACI 306 R, "Cold Weather Concreting" for recommended protection in cold weather.

Exposure to air movement, concrete surface to volume ratio, and mixture proportions affect performance under extreme cold weather conditions. Concrete containing Pozzutec 20+ admixture may reduce or eliminate the need for recognized protective measures and protection time required in cold or subfreezing weather concreting applications. Field evaluations of the concrete mixture selected for the project should be performed using local materials to determine: the optimum dosage rate of Pozzutec 20+ admixture required to achieve the desired setting time and strength performance, the minimum acceptable ambient and concrete temperatures for placement, and if the recognized protective measures and protection time required for cold and subfreezing weather concreting may be reduced or eliminated.

Concrete containing Pozzutec 20+ admixture that will be exposed to subfreezing weather conditions must be sealed to prevent the ingress of additional water to hardened concrete during curing. A surface sealer must be applied as soon as the concrete reaches initial set or finishing is complete. Confilm® evaporation reducer is recommended to minimize evaporation of surface moisture.

BASF Construction Chemicals, LLC
Admixture Systems

www.masterbuilders.com

United States 23700 Chagrin Boulevard, Cleveland, Ohio 44122-5544 ■ Tel: 800 628-9990 ■ Fax: 216 839-8821
Canada 1800 Clark Boulevard, Brampton, Ontario L6T 4M7 ■ Tel: 800 387-5862 ■ Fax: 905 792-0651

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Product Notes

Corrosivity – Non-Chloride, Non-Corrosive: Pozzutec 20+ admixture will neither initiate nor promote corrosion of reinforcing steel in concrete.

Compatibility: Pozzutec 20+ admixture can be used as a singular admixture or as a component in a BASF Construction Chemicals admixture system. When used with other admixtures, each admixture must be dispensed separately into the mixture.

In applications that require Pozzutec 20+ admixture dosages of 30 fl oz/cwt (1,950 mL/100 kg) or more, the use of a Glenium® high-range water-reducing admixture is recommended to obtain increased water reduction and strength performance. At such dosages, erratic slump behavior may be experienced when Pozzutec 20+ admixture is used in concrete mixtures that also contain naphthalene-based admixtures.

Storage and Handling

Storage Temperature: Store at 0 °F (–18 °C) or above. If Pozzutec 20+ admixture freezes, thaw at 35 °F (2 °C) or above and completely reconstitute by mild mechanical agitation. **Do not use pressurized air for agitation.**

Shelf Life: Pozzutec 20+ admixture has a minimum shelf life of 12 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your BASF Construction Chemicals representative regarding suitability for use and dosage recommendations if the shelf life of Pozzutec 20+ admixture has been exceeded.

Packaging

Pozzutec 20+ admixture is supplied in 55 gal (208 L) drums, 275 gal (1040 L) totes and by bulk delivery.

Related Documents

Material Safety Data Sheets: Pozzutec 20+ admixture.

Additional Information

For additional information on Pozzutec 20+ admixture or its use in developing a concrete mixture with special performance characteristics, contact your BASF Construction Chemicals representative.

The Admixture Systems business of BASF Construction Chemicals is a leading provider of innovative admixtures for specialty concrete used in the ready mix, precast, manufactured concrete products, underground construction and paving markets throughout the NAFTA region. The Company's respected Master Builders brand products are used to improve the placing, pumping, finishing, appearance and performance characteristics of concrete.

**Master
Builders**

MasterSet® AC 122

Accelerating Admixture

Description

MasterSet AC 122 ready-to-use, liquid admixture is designed to make more uniform and predictable quality concrete while accelerating setting time and strength development.

MasterSet AC 122 admixture meets ASTM C 494/C 494M requirements for Type C, accelerating, and Type E, water-reducing and accelerating, admixtures.

Applications

Recommended for use in:

- Fast-track concrete construction
- Non-reinforced concrete
- Lightweight concrete
- 4x4™ Concrete
- Pervious concrete
- Self-consolidating concrete (SCC)

Features

- Increased early and ultimate strengths – compressive and flexural
- Reduced water content required for a given workability
- Accelerated setting time characteristics

Benefits

- Improved workability
- Superior finishing characteristics for flatwork and cast surfaces
- Earlier finishing of slabs – reduced labor costs
- Reduced protection time in cold weather
- Earlier stripping and reuse of forms
- Earlier structural use of concrete, as in lift-slab, tilt-up, paving and floors
- Easy to disperse in concrete mixtures, avoiding many of the problems associated with flake calcium

Performance Characteristics

Strength: Concrete containing MasterSet AC 122 admixture develops higher early and higher ultimate strengths than plain concrete. It meets the strength requirements of ASTM C 494/C 494M, AASHTO M 194 and CRD-C 87 specifications for admixtures.

MasterSet AC 122 admixture also increases concrete strength when used with Type III cement and with mixtures designed to use calcium chloride or other MasterSet admixture formulations.

Guidelines for Use

Dosage: This admixture is used within the range of 16-64 fl oz/cwt (1-4 L/100 kg) of cement for most concrete mixtures using average concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than the recommended amounts may be required. In such cases, contact your local sales representative.

As the dosage of MasterSet AC 122 admixture increases up to 64 fl oz/cwt (4 L/100 kg) of cement, acceleration of setting time usually continues to increase. The larger dosage also increases early and ultimate strengths.

Product Notes

Corrosivity: This product contains intentionally-added calcium chloride. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes less than 0.0210% chloride ions by weight of the cement when used at the rate of 1 fl oz/cwt (65 mL/100 kg) of cement.

Compatibility: MasterSet AC 122 admixture may be used in combination with any BASF admixture. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mixture.

Storage and Handling

Storage Temperature: MasterSet AC 122 admixture should be stored above freezing temperatures. If MasterSet AC 122 admixture freezes, thaw at 35 °F (2 °C) or above and completely reconstitute by mild mechanical agitation. **Do not use pressurized air for agitation.**

Shelf Life: MasterSet AC 122 admixture has a minimum shelf life of 18 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local representative regarding suitability for use and dosage recommendations if the shelf life of MasterSet AC 122 admixture has been exceeded.

Packaging

MasterSet AC 122 admixture is supplied in 55 gal (208 L) drums, 275 gal (1040 L) totes and by bulk delivery.

Related Documents

Safety Data Sheets: MasterSet AC 122 admixture

Additional Information

For additional information on MasterSet AC 122 admixture or its use in developing a concrete mixture with special performance characteristics, contact your local sales representative.

The Admixture Systems business of BASF's Construction Chemicals division is the leading provider of solutions that improve placement, pumping, finishing, appearance and performance characteristics of specialty concrete used in the ready-mixed, precast, manufactured concrete products, underground construction and paving markets. For over 100 years we have offered reliable products and innovative technologies, and through the Master Builders Solutions brand, we are connected globally with experts from many fields to provide sustainable solutions for the construction industry.

Limited Warranty Notice

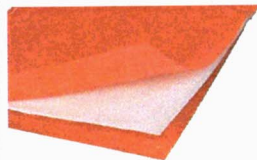
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INSULATED TARP



PCR410314 | UNSPSC: 24141506



 Please select a location to add product to cart.

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SPECIFICATIONS*

Brand Priority

Part Number PCR410314

Manufacturer Part Number 410314

Size 12 ft. x 24 ft.

spreadPartNo 41-0314

Colour Orange

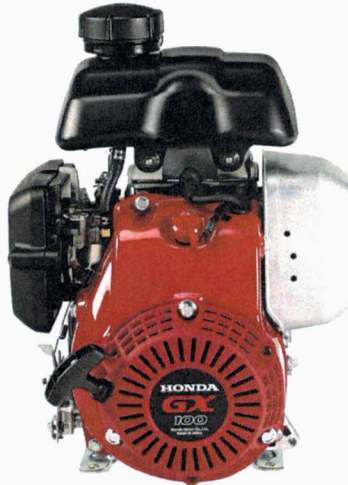
Fabric Weight Woven tarpaulin, 80 g/m2 (2.36 oz./yard)

Tarp Material Single layer closed cell polyethylene foam HDPE scrim with LDPE laminate coating

Thickness 1/4"

FEATURES

- Double stitched hem, middle overlapping seam
- Foam cut to the blanket edge for superior insulating value
- 1/2" I.D. grommets at 36" spacing
- Maintains an even R-Value

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GX100

Quality and performance come standard.

Professionals rely on the GX100 to deliver reliable, easy starting, fuel efficient performance, day in and day out.

COMMON APPLICATIONS

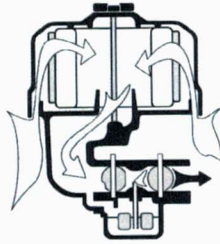
- Commercial lawn and garden equipment
- Construction / industrial equipment
- Agricultural equipment
- Water pumps

Features



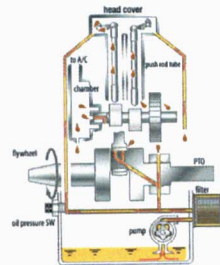
FUEL EFFICIENT, HIGH OUTPUT OPERATION

- Precision camshaft design offers precise valve timing and optimal valve overlap for better fuel efficiency
- OHC design for increased efficiency and optimal power transfer
- High compression ratio for better fuel efficiency



EXCEPTIONALLY QUIET

- Large capacity, multi-chamber exhaust system
- Reduced mechanical noise due to light weight, noise-reducing materials
- Forged steel crankshaft and rigid crankcase
- Sophisticated air intake system

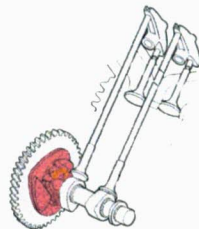


PROVEN RELIABILITY

- Oil Alert [Learn More](#)
- Cast iron cylinder sleeve
- High quality materials, fit, and finish
- Fuel Valve

EASY TO USE AND MAINTAIN

- Large fuel tanks
- Large automotive type fuel cap
- Easily accessible spark plug



EASY STARTING

- Heavy duty recoil starter
- Automatic mechanical de-compression system [Learn More](#)

EMISSIONS COMPLIANT

- No catalyst necessary

AVAILABLE OPTIONS

- Spark arrester available

SPECIFICATIONS

GX100

Engine Type

Air-cooled 4-stroke OHC

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Net Power Output*	2.8 hp (2.1 kW) @ 3,600 rpm
Net Torque	4.2 lb-ft (5.7 Nm) @ 3,600 rpm
PTO Shaft Rotation	Counterclockwise (from PTO shaft side)
Compression Ratio	8.5:1
Carburetor	Float Type
Ignition System	Transistorized magneto
Starting System	Recoil
Lubrication System	Splash
Governor System	Centrifugal Mechanical
Air Cleaner	Dual element
Oil Capacity	0.42 US qt (0.40l)
Fuel Tank Capacity	.81 U.S. qt (.77 liter)
Fuel	Unleaded 86 octane or higher
Dry Weight	23.4 lb (10.6 kg)

[WARNING: California Prop 65 Info](#)

DIMENSIONS

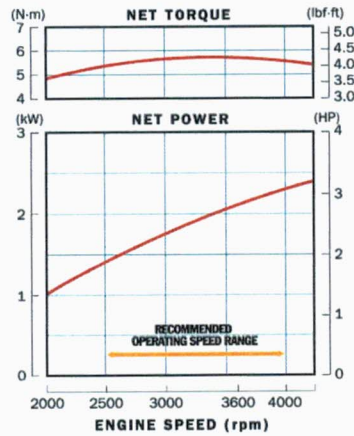
GX100

Length (min)	11.6" (295mm)
Width (min)	12.0" (304mm)
Height (min)	15.8" (402mm)

PTO

GX100

K type	Rammer type	View Details
Q type	Straight shaft	View Details
V type	Tapered shaft	View Details

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GX100

The SAE J1349 standard measures net horsepower with the manufacturer's production muffler and air cleaner in place. Net horsepower more closely correlates with the power the operator will experience when using a Honda engine powered product. The power rating of the engines indicated in this document measures the net power output at 3600 rpm (7000 rpm for model GXH50, GXV50, GX25 and GX35) and net torque at 2500 rpm, as tested on a production engine. Mass production engines may vary from this value. Actual power output for the engine installed in the final machine will vary depending on numerous factors, including the operation speed of the engine in application, environmental conditions, maintenance and other variables.

Owners Manuals

GX100

General Applications

≡ [English, French & Spanish language manual](#)

Support

