

DIVISION 04 CONCRETE UNIT MASONRY

CO₂ SEQUESTRATION SPECIFICATION INSERT LANGUAGE

CarbonCure works with existing concrete manufacturers to provide low-carbon concrete products to the building environment. CarbonCure's technology introduces waste carbon dioxide into the concrete production process, where the CO₂ is chemically converted into a mineral within the concrete. CarbonCure has many producer partners who provide products with sequestered CO₂ using CarbonCure's technology. Products made with the CarbonCure technology by Oldcastle are branded CO₂NVERT products.

This document is provided to assist design professionals in including CarbonCure and CO₂NVERT concrete masonry products in specifications for projects in the United States and Canada. CarbonCure also offers guide specifications for CMU assemblies, interlocking concrete pavers, and segmented retaining walls.

This document and CarbonCure's guide specifications are available in word processing format at www.carboncure.com.

CarbonCure Technologies Inc.
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Canada
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Phone: 1.902.442.4020

PART 1 - GENERAL

1.X INFORMATIONAL SUBMITTALS

A. Certificates:

For CarbonCure and/or CO₂NVERT concrete masonry products, insert certificate requirement below.

1. Carbon Dioxide Sequestration: Manufacturer's certificate verifying sequestered carbon dioxide. Include quantity, location and supplier of chemically sequestered CO₂.

PART 2 - PRODUCTS

2.X MASONRY PRODUCTS, GENERAL

Because the CarbonCure process is the only active carbon sequestration process for concrete masonry units and is only available through the named manufacturers, it has no known equal. The CarbonCure technology applies to CarbonCure and CO₂NVERT branded products. If the project requires substitutions to be considered, edit the paragraph below to indicate where substitution requirements are specified.

A. Substitution Limitations:

1. Substitutions of concrete masonry units are not permitted.

2.Y CONCRETE MASONRY UNITS (CMU)

Manufacturers listed below offer CarbonCure products, but more partnerships are in development. Visit www.carboncure.com, or contact CarbonCure at info@carboncure.com or 1.902.442.4020, for updated production and distribution information for CarbonCure products.

B. Manufacturers:

1. CO₂NVERT by Anchor, an Oldcastle company, Manasquan, New Jersey
www.oldcastlenortheast.com
(800) 682-5625
2. CarbonCure by Basalite Concrete Products, Dixon, California
www.basalite.com
(707) 678-6268
3. CarbonCure by Basalite Concrete Products, Dupont, Washington
www.basalite.com
(253) 964-5000
4. CarbonCure by Basalite Concrete Products, Surrey, British Columbia
www.basalite.com
(604) 596-3844
5. CarbonCure by Brampton Brick Limited, Brampton, Ontario
www.bramptonbrick.com
(800) 462-7425
masonryorderdesk@bramptonbrick.com
6. CarbonCure by Ernest Maier, Bladensburg, Maryland
www.emcoblock.com
(301) 927-8300
7. CO₂NVERT Products by Northfield Block, an Oldcastle Company, Morris, Illinois
www.northfieldblock.com
(847) 949-3600
8. CarbonCure by Oneonta Block Company, Oneonta, New York
www.oneontablock.com
(607) 432-6641
9. CarbonCure by Permacon, Milton, Ontario
www.permacon.ca
(888)-PERMACON
10. CarbonCure by Shaw Brick, Lantz, Nova Scotia
www.shawbrick.ca
(902) 883-2201
11. CarbonCure by Snyder Concrete Products, Cincinnati/Columbus, Ohio
www.snyderonline.com
(937) 299-7388

Insert the following as a sustainable design attribute of the specified concrete masonry products. For distribution locations of CarbonCure products, visit www.carboncure.com or contact CarbonCure at info@carboncure.com or 1.902.442.4020.

- C. Carbonation of Concrete: For all CMU types specified, provide units that have undergone carbonation treatment with gaseous carbon dioxide (CO₂) during the formation of units, such that CO₂ is chemically sequestered into concrete as solid calcium carbonate (CaCO₃).
1. Carbonation Treatment Process: CarbonCure Technology (Product is branded either CarbonCure or CO₂NVERT).
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PART 3 - EXECUTION (No CarbonCure inserts are required in Part 3.)

END OF SECTION

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CO₂NVERT™ is a trademark of Oldcastle Inc.

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