

Sustainable Stone From Cradle to Gate

Sponsored by MIA+BSI: The Natural Stone Institute and the Natural Stone Council (NSC)

QUIZ

1. ANSI/NSC 373: Sustainable Production of Natural Dimension Stone establishes criteria to measure the extent to which natural stone?
 - a. Extracted
 - b. Processed
 - c. Extracted and processed
 - d. Marketed
2. A cradle-to-gate product establishes the:
 - a. chain of custody from quarry to project site.
 - b. life-cycle assessment.
 - c. waste reduction in the quarrying process.
 - d. manufacturing process to recycling process.
3. The market demand for sustainable products are driven by the following:
 - a. The growth of LEED
 - b. Increased environmental concerns
 - c. The Living Building Challenge and BREEAM
 - d. All of the above
4. Excess process materials management can include innovations such as products that:
 - a. use remnant stone to create waste free patterns.
 - b. analyze stone cutting to use all parts of extracted materials.
 - c. use less energy.
 - d. Both A and B
5. To comply with ANSI/NSC 373:
 - a. requires third-party testing and certifications.
 - b. requires manufacturers self-certifications.
 - c. does not require third-party testing and certification.
 - d. does not require a chain-of-custody certification.

6. A life-cycle assessment/analysis or LCA compares and quantifies all of the inputs and outputs of material flows and assesses how those flows affect the environment. This analysis does not include the documentation of intervening transportation steps necessary or caused by the products existence.
- a. True
 - b. False
7. Which key metric in the ANSI/NSC 373 standard measures the impact of stone quarrying on biodiversity?
- a. Chain of custody
 - b. Corporate governance
 - c. Site management
 - d. Land reclamation
8. Establishing target goals, modeling and quantifying those goals, and developing strategies for the implementation of new energy-efficient methods and equipment is part of an energy:
- a. inventory.
 - b. management plan.
 - c. optimization plan.
 - d. maintenance plan.
9. The components of natural stone that make it a sustainable building material include which of the following?
- a. No chemical components
 - b. No VOCs
 - c. Durability
 - d. All of the above
10. The ANSI/NSC 373 could potentially be applied to building product disclosure and optimization under LEED v4's Responsible Sourcing, Raw Material Extraction, and Material Ingredient Reporting.
- a. True
 - b. False

Answer Key:

1. C
2. A
3. D
4. D
5. A
6. B
7. C
8. B
9. D
10. A