

## PRECAST CONCRETE PRODUCED BY: ATMI PRECAST

FACILITY:	ATMI Aurora
STRENGTH:	6000 psi @ 28 days
PRODUCT:	Insulated Wall Panel

**IMPACTS PER 1 METRIC TONNE**
**A1-A3 TOTAL**

Global Warming Potential	kg CO <sub>2</sub> e	234.87
Ozone Depletion	kg CFC11e	4.95E-06
Acidification	kg SO <sub>2</sub> e	1.10
Eutrophication	kg Ne	0.47
SFP (Smog)	kg O <sub>3</sub> e	12.13
Non-renew. energy	MJ, NCV	1878.45

**GENERAL INFORMATION**

Declared Product	1 metric tonne of Precast Concrete produced by ATMI Precast	
Date of Issue	December 11, 2023	
Period of Validity	5 years; 12/11/2028	
EPD Holder	ATMI Precast 960 Ridgeway Ave Aurora, IL 60506	 <b>ATMI Precast</b> Building Precast Solutions
Program Operator	ASTM International 100 Barr Harbor Drive West Conshohocken, PA 19428	 ASTM INTERNATIONAL Helping our world work better
LCA and EPD Developer	WAP Sustainability Consulting 1701 Market Street Chattanooga, TN 37408 <a href="http://www.wapsustainability.com">www.wapsustainability.com</a>	 <b>WAP SUSTAINABILITY CONSULTING</b>
Core PCR	ISO 21930:2017 Sustainability in Building Construction - Environmental Declaration of Building Products	
Sub-category PCR	NSF International Product Category Rules for Precast Concrete, V3.0, May 2021 Reviewed by: Dr. Thomas Gloria, Industrial Ecology Consultants; Mr. Bill Stough, Bill Stough, LLC; and Dr. Michael Overcash, Environmental Clarity	
Independent LCA Reviewer and EPD Verifier	Independent verification of the declaration and data, according to ISO 14025 and the reference PCR <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External Thomas P. Gloria, PhD Industrial Ecology Consultants	
For Additional Explanatory Material	Manufacture Representative: Christopher Plantz ( <a href="mailto:cplantz@atmiprecast.com">cplantz@atmiprecast.com</a> ) Software Tool: Theta by WAP Sustainability V1.0	

The declared product meets the following product specifications:

- ACI 211: Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete.
- ACI 318: Building Code Requirements for Structural Concrete.
- CSA A23.4 Precast Concrete – Materials and Construction
- CSA A23.1/A23.2: Concrete Materials and Methods of Concrete Construction
- CSI Masterformat Division 03-30-00: Cast-in-Place Concrete.

**Disclaimer:**

Environmental declarations from different programs (ISO 14025) may not be comparable. EPDs are comparable only if they use the same PCR (or sub-category PCR where applicable), include all relevant information modules and are based on equivalent scenarios with respect to the context of construction works. This PCR allows EPD comparability only when the same functional requirements between products are ensured and the requirements of ISO 21930:2017 §5.5 are met. However, variations and deviations are possible.