

NEXGEN

LEED v4.1 Credit Guide – Building Design and Construction (BD+C)

This document is intended to provide guidance to practitioners regarding eligibility of **NEXGEN MAXTERRA®** products for use with the LEED v4.1 rating system. The potential credits identified in the tables below for Building Design and Construction (BD+C) are for Materials and Resources (MR) and Indoor Environmental Quality (EQ). Final determination of the applicability of this guide and subsequent eligibility of the products listed is the responsibility of the LEED practitioner or the Authority Having Jurisdiction (AHJ), as applicable.

MR Credit: Environmental Product Declarations

Project Types	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.
Credit Intent	To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.
NEXGEN's Contribution	NEXGEN has Environmental Product Declarations (EPDs) which conform to ISO 14025 and ISO 21930 and have at least a cradle to gate scope. NEXGEN's EPD is third-party verified, externally and is valued as 1.5 products for the purposes of credit achievement calculation.
Applicable Products	MAXTERRA® MgO Non-Combustible Structural Sheathing (1/2", 5/8") MAXTERRA® MgO Non-Combustible Single Layer Structural Floor Panels (3/4") MAXTERRA® MgO Fire- and Water- Resistant Backer Board (1/4", 3/8", 1/2", 5/8") MAXTERRA® MgO Fire- and Water- Resistant Underlayment (1/4", 3/8", 1/2", 5/8") MAXTERRA® MagRock™ Fire Resistant Premium Wall Board (3/8", 1/2", 5/8") MAXTERRA® Fire Resistant Decorative Wall Panels (3/8")
Documentation	https://www.labelingsustainability.com/epd-registry/ngmbpd0404r

MR Credit: Sourcing of Raw Materials

Project Types	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.
Credit Intent	To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.
NEXGEN's Contribution	NEXGEN utilizes product formulations containing recycled materials.
Applicable Products	MAXTERRA® MgO Non-Combustible Single Layer Structural Floor Panels (3/4") MAXTERRA® MgO Fire- and Water- Resistant Backer Board (1/4", 3/8", 1/2", 5/8") MAXTERRA® MgO Fire- and Water- Resistant Underlayment (1/4", 3/8", 1/2", 5/8")
Documentation	See declaration pages attached to this document.

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MR Credit: Material Ingredients

Project Types	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.
Credit Intent	To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.
NEXGEN's Contribution	NEXGEN has published Health Product Declarations with full disclosure of known hazards to 0.01% (100 ppm) in compliance with the Health Product Declaration Open Standard.
Applicable Products	MAXTERRA® MgO Non-Combustible Structural Sheathing (1/2", 5/8") MAXTERRA® MgO Non-Combustible Single Layer Structural Floor Panels (3/4") MAXTERRA® MgO Fire- and Water- Resistant Backer Board (1/4", 3/8", 1/2", 5/8") MAXTERRA® MgO Fire- and Water- Resistant Underlayment (1/4", 3/8", 1/2", 5/8") MAXTERRA® MagRock™ Fire Resistant Premium Wall Board (3/8", 1/2", 5/8")
Documentation	https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=nexgen#l=1033

EQ Credit: Acoustic Performance

Project Types	New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouses & Distribution Centers, Hospitality, Healthcare.
Credit Intent	To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design.
NEXGEN's Contribution	NEXGEN has tested their products in multiple assemblies that meet the required composite sound transmission class (STC) ratings or noise isolation class (NIC).
Applicable Products	MAXTERRA® MgO Non-Combustible Single Layer Structural Floor Panels (3/4") MAXTERRA® MgO Fire- and Water- Resistant Backer Board (1/4", 3/8", 1/2", 5/8") MAXTERRA® MgO Fire- and Water- Resistant Underlayment (1/4", 3/8", 1/2", 5/8")
Documentation	https://icc-es.org/report-listing/esl-1645/

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Solutions, **Today.**

Version 1.0 | July 2025 © 2025 NEXGEN Building Products



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Please contact your product representative if assistance is needed with this declaration

Declaration #: _____

LEED v4.1 Materials Worksheet and Declaration Form (Recycled Content)

Date: _____

Project: _____

Product Category: Structural Sheathing

Product: MAXTERRA® MgO Non-Combustible Structural Floor Sheathing

Material Resources (MR) Credit: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION SOURCING OF RAW MATERIALS.

Requirements: Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation.

- Recycled content is the sum of postconsumer recycled content plus one-half the pre consumer recycled content, based on weight.
- The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value.

Substance	Amount (%)	Multiplier	Total (%)
Post-consumer	0	1	0
Pre consumer	7.60	0.5	3.80
Total			3.80

Total percent (above)	Cost of the assembly (\$)	Recycled Content Value (\$)
3.80	_____	_____

TOTAL RECYCLED CONTENT VALUE

I declare, to the best of our company research and my knowledge, that the above information is true.

Signed: _____

Title: _____

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Please contact your product representative if assistance is needed with this declaration

Declaration #: _____

LEED v4.1 Materials Worksheet and Declaration Form (Recycled Content)

Date: _____

Project: _____

Product Category: Underlayment / Backer Board

Product: MAXTERRA® MgO Fire- and Water-Resistant Underlayment & Backer Board

Material Resources (MR) Credit: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION – SOURCING OF RAW MATERIALS

Requirements: Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation.

- Recycled content is the sum of postconsumer recycled content plus one-half the pre consumer recycled content, based on weight.
- The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value.

Substance	Amount (%)	Multiplier	Total (%)
Post-consumer	0	1	0
Pre consumer	14.30	0.5	7.15
Total			7.15

Total percent (above)	Cost of the assembly (\$)	Recycled Content Value (\$)
7.15	_____	_____

TOTAL RECYCLED CONTENT VALUE

I declare, to the best of our company research and my knowledge, that the above information is true.

Signed: _____

Title: _____