www.armstrongceilings.eu

Inspiring Great Spaces™

Armstrong®
CEILING SOLUTIONS

Cradle to Cradle ® - the way forward

Cradle to Cradle ® is an innovative concept that builds on nature's blueprint. It provides manufacturers with a verified rating system for assessing and constantly improving products based on five criteria -

Material Health — Every ingredient must be safe and not harmful to health or the environment.

Material Reutilization — Every component must biodegrade naturally to restore the soil or up-cycle into high quality materials for subsequent products.

Renewable Energy — All energy used in manufacture should be from renewable sources, and must be used efficiently.

Water Stewardship — Water must be managed and used effectively, with no unhealthy releases into the local ecosystem.

Social Fairness — Manufacturers should conduct business responsibly, respecting the health, safety and rights of people and the planet.

Products are measured to achieve five levels of certification from Basic through to Platinum. Progress is transparent as manufacturers embark on the challenging journey to achieve ultimate sustainability for their products.

Cradle to Cradle product certification is both comprehensive and rigorous. It requires a paradigm shift in thinking about how it is designed, what's in it and where it goes after use.

Armstrong is the first global ceilings manufacturer, and one of only a relatively small group of companies worldwide, to have accepted the challenge.

Material Reutiliization

The C2C blueprint categorises substances as either biological or technical nutrients :

Technical nutrients are materials that can be fully and continuously recycled (up-cycled) for subsequent generations of products, without loss of integrity or quality.

Product Certification Scorecard

PROGRAMME CATEGORY	BASIC	BRONZE	SILVER	GOLD	PLATINUM
	CRADLE TO CRADLE ® CERTIFIED™ PRODUCT SCORECARD				
MATERIAL HEALTH		✓			
MATERIAL REUTILIZATION				✓	
RENEWABLE ENERGY & CARBON MANAGEMENT			✓		
WATER STEWARDSHIP			✓		
SOCIAL FAIRNESS				✓	
OVERALL CERTIFICATION LEVEL		✓			

latest information available on our website www.armstrongceilings.eu

What Cradle to Cradle ®
means for Armstrong

PERLA OP 0.95 first with C2C certification

Armstrong's Perla OP 0.95 is the first mineral fibre laminated ceiling tile to be granted C2C Bronze certification.

ULTIMA+ full range with C2C certification

Smoother, whiter and re-engineered for longer life. The first full range of ceiling tiles in the world to be C2C certified.

PERLA OP 0.95

CERTIFIED cradletocradle BRONZE

Sustainability performance (August 2014)

Recycled content	**42%**
Rapidly renewable content	**5%**
Recyclability	**100%**
Acoustical comfort	**Class A absorber**
Air Quality	**A+ Ultra Low Emissions**
Light reflectance	**85%**
Included in the Armstrong Recycling Programme:	✔

ULTIMA+

CERTIFIED cradletocradle BRONZE

Sustainability performance (August 2014)

Recycled content	**≤64%**
Rapidly renewable content	**5%**
Recyclability	**100%**
Acoustical comfort	**Class A absorber**
Air Quality	**≤ A+ Ultra Low Emissions**
Light reflectance	**87%**
Included in the Armstrong Recycling Programme:	✔

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Armstrong and the environment

Armstrong has long recognised the importance of protecting the environment and using resources responsibly. We have developed ceiling systems that improve space illumination, reduce noise and enable the use of thermal mass design for more efficient heating and cooling of the building environment.

And we have been **systematically reducing our environmental footprint** and reducing the environmental impact of our products through:

- Careful raw material selection and reformulation, and **improved closed loop manufacturing** technologies.
- Use of recognised life cycle assessment methodology to **continually improve** product environmental performance.
- Reducing production waste; introducing take back schemes and **increasing the amount of recycled content** in all of our tiles.
- Increased use of renewable energy and rebalancing of existing supplies to **lower carbon alternatives.**
- **Membership of** technical committees and **Green Building Councils** in Europe, Asia and the United States, actively promoting the environmental agenda.
- Support for groundbreaking projects designed to demonstrate the viability of **very low energy and C2C construction.**

Armstrong and Recycling

Recycling - End-of-Life and Off-cut

A unique take-back scheme is helping to increase the recycled content of Armstrong's mineral fibre tile range.

Our **Ceiling-to-Ceiling recycling programme** is a natural extension of our use of recycled materials and environmentally compatible manufacturing processes that reduce our environmental footprint.

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What Cradle to Cradle ®
means for our customers

The Cradle to Cradle ® programme has been developed to meet growing customer demand for sustainable products, with C2C certification already becoming a requirement for building projects in the United States and Europe.
It:

- Helps specifiers and clients through the maze of environmental claims, providing a **transparent mechanism** to compare the sustainability performance of competitive products.
- Helps customers **chose good-quality and healthy materials** without paying more.
- Provides transparency regarding material safety.
- Provides a safer environment for building users.
- Adds value to a project and is **part of the Armstrong ceiling recycling programme.**
- Helps protect and sustain our environment for future generations by **keeping resources in the economy for longer.**

Want **to learn more**?

Find out more at
www.armstrongceilings.eu

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