



Armstrong Ceilings, Suspension Systems and Acoustical Walls:

- Contain recycled materials
- Can be reclaimed and recycled in many renovation projects (mineral fiber ceilings)
- Provide sustainable building solutions

Reduce

Solutions for Sustainable Design

Sustainability is one of the most important considerations in commercial buildings. With ceiling systems, the more sustainable products are especially durable and damage-resistant, minimizing the need for frequent replacement and disposal.

Armstrong has an expanding portfolio of sustainable products. These include:

- Damage-resistant ceilings. Look for these icons throughout this catalog, designating products with superior durability



- Hot dipped galvanized suspension systems with superior resistance to rust and corrosion. The HumiGuard ceilings are backed by a limited 15-year warranty when installed with Armstrong hot dipped galvanized grid.

Conserve Energy Use, Lower Costs & Improve Lighting with High Light Reflectance Ceilings.

Armstrong ceilings with higher light reflectance (LR 0.89), such as OPTIMA Open Plan and ULTIMA provide:

- Significant cost reductions – as much as 18%
- Reduced occupant eyestrain – identified in a Harris Poll as the number one office health hazard

Fewer fixtures means less electricity and fewer lamps to change.



Reuse



Note: Federal Trade Commission guidelines define recycled content as material recovered or diverted from the solid waste stream, either during the manufacturing process (pre-consumer) or after consumer use (postconsumer).

Recycle

Productive Products from Recycled Preconsumer and Postconsumer Waste

Up to 79% Recycled Content*

- Commercial-application mineral fiber ceilings (25% to 79%)
- Fiberglass ceilings (28% to 31%)
- Steel suspension systems (up to 25% recycled steel)

Specifically, Armstrong uses hundreds of millions of pounds of newsprint and mineral wool, a byproduct of steel production.

*based on typical production

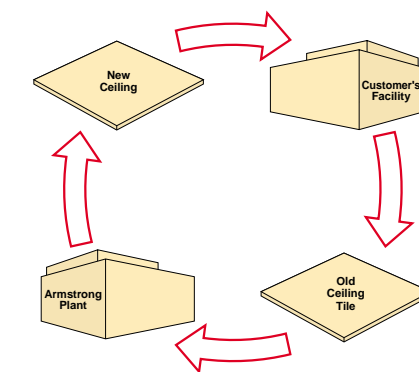
Armstrong Ceilings:

- Contain high levels of recycled material
- Can now, in most cases, be reclaimed and recycled rather than shipped to landfills

Reclaim

Armstrong Ceiling Recycling Program: A Solution for Ceiling Disposal

Mineral fiber ceilings from renovation projects can now be efficiently reclaimed and reused through the Armstrong Ceilings Reclamation and Recycling Program.



The process is a natural extension of Armstrong's use of recycled materials in environmentally-compatible manufacturing. It's a responsible, often cost-effective way to:

- Reclaim most mineral fiber ceilings at the end of their useful life
- Reduce solid waste in landfills
- Reduce site construction waste

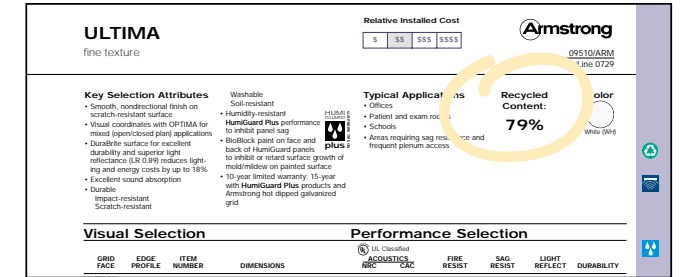
The Armstrong recycling program is available to many building owners who choose Armstrong ceiling systems in their renovation projects. In addition to being environmentally responsible, it can frequently be less expensive than costs associated with local handling, transport and landfill fees. Building owners should contact their Armstrong representatives to learn more about the program's easy five-step process and to evaluate the economics of reclamation.

Ask your Armstrong Representative for details.

Environmentally Compatible Manufacturing

In addition to their recycled content, most ceilings are manufactured in ways that the AIA recognizes as having minimal environmental impact. The primary manufacturing emission is steam. Armstrong also voluntarily participated in the EPA 33/50 Pollutant Reduction Program, and surpassed the EPA's goals by wide margins.

This chart below is a summary list showing the percentage of recycled content for Armstrong Ceiling Systems. Look for the recycled content for each individual Armstrong ceiling at the top of each ceiling product page (pgs. 26-127).



% PRECONSUMER RECYCLED CONTENT* (MINERAL WOOL AND CELLULOSE FIBER)	PRODUCT	SUSTAINABILITY/DURABILITY	RECLAIMABLE
79%	ULTIMA		Yes
37-75%	Fire Guard Ceilings		Yes – except VL Fire Guard
72%	CROSSGATE		Yes
70%	STRATUS		Yes
69%	CIRRUS		Yes
69%	SANSERRA		Yes
71.3% - 85%	SOUND SOAK Walls		Yes – Mineral Fiber
57%	GRAPHIS		Yes
49%	DUNE		Yes
22.5% - 45%	NATURAL FISSURED		Yes
45%	FINE FISSURED Ceramaguard		Yes
37% - 48%	HumiGuard Plus Ceilings		Yes
44%	GRAPHIS		Yes
31% Recycled Glass	RANDOM FISSURED		No
28% Recycled Glass	OPTIMA		Yes – except Foil-backed
22.5% - 45%	CORTEGA/FISSURED/DESIGNER		Yes
25%	Steel Suspension Systems		Recyclable

*Based on typical 2000 production.



Ceiling Resources Available to You:

- Armstrong Ceiling Recycling Program Packet/Folder CS-3238
- Armstrong Ceiling Recycling Program Brochure (included with folder CS-3238)
- TechLine assistance and environmental data – 1-877-ARMSTRONG (Option 3)

www.ceiling.com