Georgia-Pacific Building Products

PROGRESS WITH **PURPOSE.**

STRIVING FOR SUSTAINABLE OUTCOMES THROUGH THE 5 C'S

We drive continuous improvement by focusing on 5 key areas of environmental stewardship:

CONSERVE	**CONTRIBUTE**	**CHALLENGE**	**CONTROL**	**CONNECT**
Healthy Ecosystems	Sustainable Products	Resource Use	Emissions	People

Reducing Material Waste Throughout 22 Stories

When Hoyt Realty Group hired Bora Architects to design the 246-foot-tall Block 20 Condominium Tower in downtown Portland, Oregon, they knew they'd have a challenge keeping the project on time and within budget due to the area's perpetual moisture.

Local contractor Western Partitions Inc. was tapped for the building envelope installation. They recommended DensElement® Barrier System for its unique capabilities.The system's proprietary formulation integrates a gypsum core with fiberglass mat to form a hydrophobic, monolithic surface that blocks bulk water while allowing vapor to pass through.

Getting everyone on board

Western Partitions Inc. project manager John Quintrell convinced his collaborators and the property owners of the value of this relatively new product through professional support from Georgia-Pacific and even stress testing DensElement Barrier System and its direct competitors.

> "It outperformed both other products in the end, and [since] that testing doesn't lie, I think the fears subsided."

John Quintrell, Project Manager, Western Partitions Inc.

Contributing to sustainability

DensElement Barrier System acts as a building's primary weather-resistive barrier/air barrier (WRB/AB) system. Air barrier systems may help to reduce energy consumption related to air leaks while helping to minimize airborne pollutants traveling from the outside to the inside of the building.

DensElement Barrier System also simplifies the construction process and may help reduce material waste associated with installation of a secondary WRB/AB product.

Because of the high levels of rain and moisture in Portland, another gypsum product from Georgia-Pacific was used on the interior walls—DensArmor Plus® Interior Panels.

These panels were added to further resist against mold and mildew. They are classified by FEMA as flood-damage resistant, which minimizes waste and enables a quicker recovery if a flood event were to occur.[1]

SEE MORE FROM GEORGIA-PACIFIC

[1]https://buildgp.com/wp-content/uploads/2018/11/GP-FEMA-Tech-Bulletin_Technical-Documents.pdf