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BamCore Revolutionary Wall System Matches Vapor Transmission of Building Wraps.

Windsor, CA. November 28, 2016 - BamCore's bamboo-based hollow Prime Wall System delivers a water vapor transmission rate that matches the range of rates found in commonly used house wraps. Recent independent tests documented that the bamboo-based panel component of BamCore's Prime Wall System offers a Water Vapor Transmission or permeance rate that is three to six times greater than conventional wood products like OSB and plywood.

Modern low-rise construction techniques regularly rely on a variety of wraps to keep air and liquid water from penetrating building walls, while at the same time allowing water vapor to breathe out of the wall. The movement of water vapor across a wall surface allows the entire wall and cavity to dry out if it gets wet, thereby preventing mold. Unfortunately, the "perm" rate of commonly used 7/16" OSB is very low compared to building wraps and can possibly defeat the vapor permeance role of the wrap.

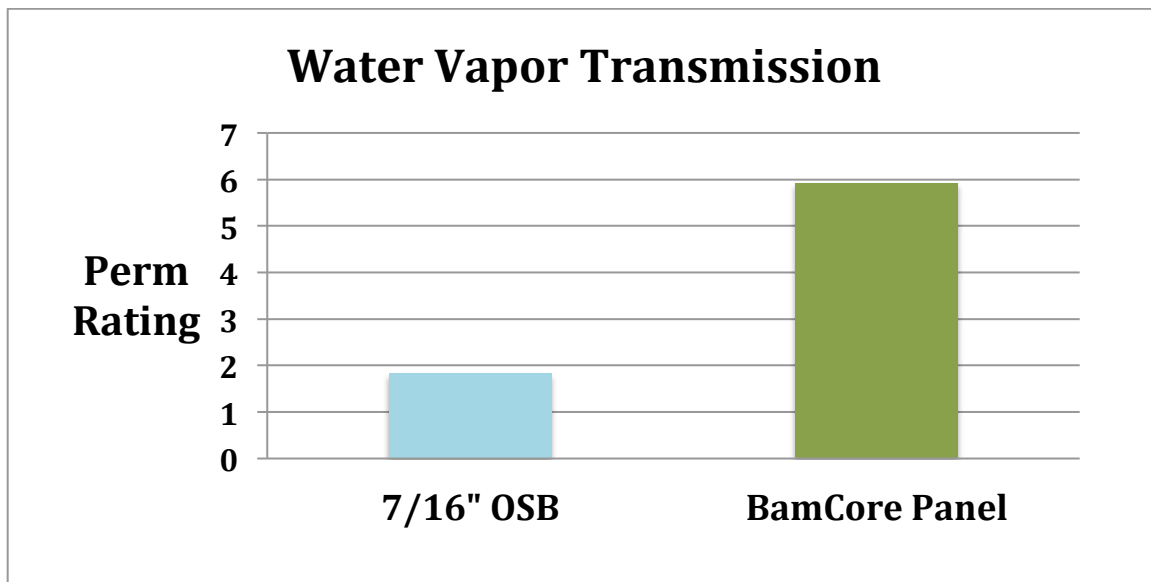
In replicated tests conducted by ISO/IEC accredited RADCO Listing and Testing Division in Long Beach, CA, BamCore's exterior Prime Wall Panels received an average perm rating of 6. This is the beginning of the perm range for building wraps like Grade D Building Paper, #15 Felt and Perforated Wraps. Other wraps start even higher. BamCore Founder William McDonald explained, "OSB when used as sheathing, generally has a perm rating lower than 2, which means that the wall will not breathe out the trapped water very well. This limits the wrap's effectiveness."

ABOUT BamCore, LLC. BamCore is a next-generation building products manufacturer that produces formaldehyde free bamboo-based building materials with the goal of making building stronger, faster, greener and less expensive. BamCore uses nature's strongest and most sustainable fiber—bamboo—in a highly innovative wall system that is simple and fast to install. For builders, the Prime Wall

System provides the advantage of being faster and less labor intensive to install than stud based walls. For owners, the Prime Wall System provides a better thermal and acoustic performance once in service. Zack Zimmerman, Director of Business Development, added “And now with the recent perm results, we know that BamCore’s Prime Wall will breathe out water vapor many times faster than OSB, permitting the inside of the wall to remain dry.”

For more information, contact: Desiree Eddelman at Desiree@BamCore.com

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Source

OSB: SBA Technical Bulletin #111

BamCore: RADCO Lighting and Testing