

Acceptable Substrates & Areas for Use

Technical Bulletin

TB008

Category: EIFS, Stucco

Keywords: EIFS, Stucco, Substrates, Area of Use, OSB

The following table contains the acceptable substrates for Parex USA assemblies and water resistive barriers to Non-Parex USA Façades. Special attention should be made to the requirements for the use of OSB as a substrate, referencing the Decay map attached and the OSB sheathing requirements. All applicable specifications and building codes must be followed. Check the specific system specification for details on installation to and on the different substrates. All sheathing must be protected from weather before, during, and after application of a Parex USA assembly^①. Substrates should be installed per the manufacturer's installation instructions, be clean and unpainted.

For painted substrates, the EIFS should either be mechanically fastened or metal lath installed and the EIFS adhesively installed according to the Parex USA technical information for installation over metal lath. Contact Technical Services for specific instructions.

Caution: The wall design must not create a system that has two vapor barriers trapping the sheathing, insulation, or other components.

Assembly ^①		Dens-Glass	Ext Gyp	Cement Board	Plywood	Concrete/CMU	Brick	OSB
EIFS	Standard / Optimum	Y	Y	Y	Y	Y	Y	Y
	Standard / Optimum WM	Y	N	Y	Y	Y	Y	Y
	Standard / Optimum WM LCR	Y	Y	Y	Y	Y	Y	Y
	TeifsFlex (Standard)	Y	Y	Y	Y	Y	Y	Y
	Weathertight VNT	Y	Y	Y	Y	Y	Y	Y
	Permadrain	Y	Y	Y	Y	Y	Y	Y
Stucco	Over 2 layers of Grade D Paper	Y	Y	Y	Y	Y	Y	Y
	Over 1 layer of Grade D Paper and Water Resistive Barrier	Y	Y	Y	Y	Y	Y	Y
Non-Parex USA Façade*	Parex USA WeatherSeal	Y	Y	Y	Y	Y	Y	Y
	Parex USA WeatherBlock	Y	Y	Y	Y	Y	Y	Y

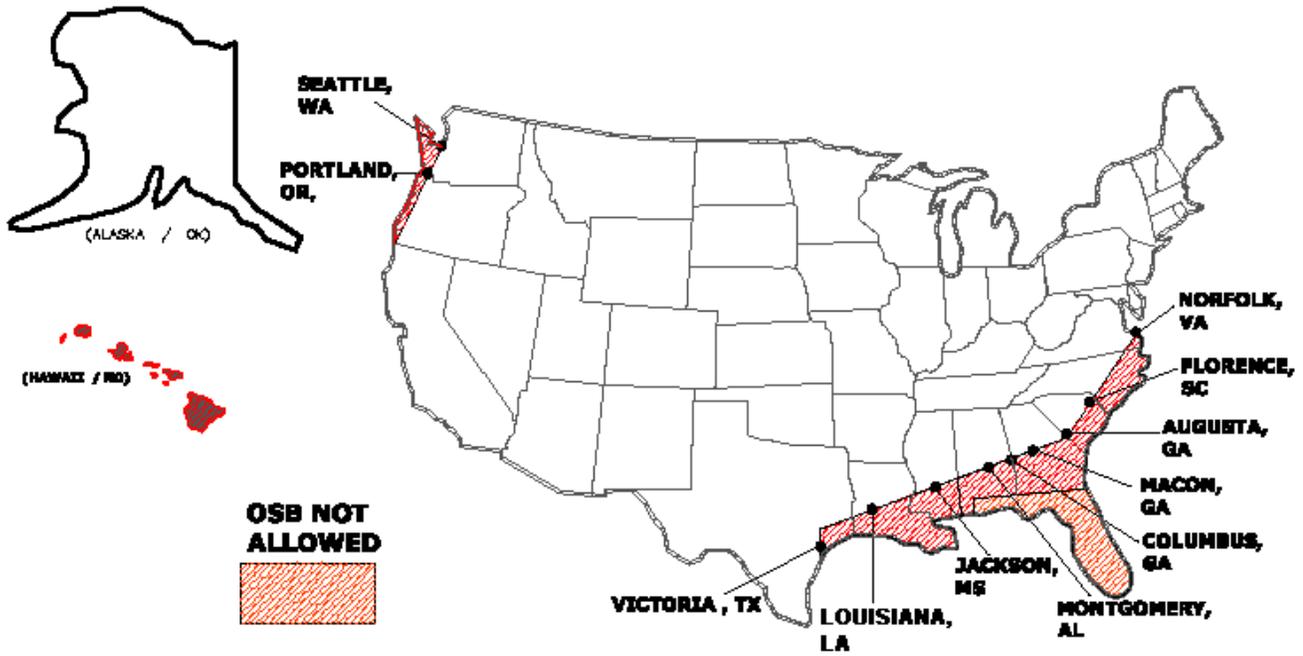
*The material will be sold as a "material" warranty with no detail support or suitability support from Parex USA. Contact the façade manufacturer for more information.

Substrate Details:

- I. Gypsum Sheathing (Dens-Glass and Exterior Gypsum)
 - Gypsum Sheathing must conform to ASTM C 1396 or Fiber-Faced Gypsum sheathing conform to ASTM C 1177
 - 1/2" thickness
- II. Cement Board
 - Conform to ASTM C 1325
 - 1/2" thickness
- III. Plywood
 - 7/16" thick
 - Minimum 4-ply APA-Engineered Wood Association Exposure 1 or Exterior grade C-D or better.
 - Installed with C or better side out
 - Comply with APA-Engineered Wood Association spacing recommendations of 1/8" for edge and end joints of plywood
- IV. OSB
 - OSB must be approved OSB by the APA, TECO, or PSI/PTL.
 - Stamped as Exposure 1 or Exterior Sheathing with a PS2 or PRP-108 rating.
 - Only 7/16" - 1/2" Wall-16 or Wall-24 OSB should be used for Parex USA Facades.
 - Installed smooth side out or per OSB manufacture's recommendation.
 - Standard/Optimum WM and WeatherTight VNT the OSB must be gaped 1/8" coated with a Parex USA water-resistive coating then all seams taped and embedded with Parex USA Sheathing Tape and Parex USA water-resistive coating. Cut edges (non-factory edges) must be sealed with a Parex USA water-resistive coating. This is standard practice and required by the OSB manufacture(s).

OSB substrates with Parex USA EIF systems are only warrantable in the zone with a Climate Index less than 70 per the map included in this technical bulletin (white area). Reference: Decay hazard (Scheffer) Index Values Calculated from 1971-2000 Climate Normal Data. USDA FPL-GTR-179. The Parex USA LCR EIF Systems with Dupont Tyvek Stucco Wrap® or DrainWrap® can be applied in all zones listed on the map.

If you have any questions or require additional information, please feel free to contact the Parex USA Technical Department at (800) 226-2424.



NON-APPLICATION ZONE OF EIF SYSTEM TO OSB SHEATHING

REFERENCED: DECAY HAZARD
(SCHEFFER) INDEX VALUES
CALCULATED FROM 1971-2000
CLIMATE NORMAL DATA

Parex USA, Inc.
4125 E. La Palma Ave., Suite 250
Anaheim, CA 92807
(866) 516-0061 Tech Support: (800) 226-2424



EIMA

SMA
Stone Manufacturers Association



PAREXUSA
SUSTAINABILITY

EIFS SOLUTIONS • STUCCO ASSEMBLIES • TILE AND STONE SYSTEMS **PAREXUSA** ENVISION IT ALL