



Retrofits with AWP

General

The long-term performance of Nichiha AWP is dependent upon the soundness of its installation, which relies on the framing, sheathing, and weather protectant. Because Nichiha AWP is a rainscreen system, the water-shedding properties of the wall assembly are critical for long-term performance. Given our product warranty is 15 years, making sure the substrate is in great shape prior to installation of AWP is essential. Therefore, extra care must be taken for any projects involving retrofits to existing structures. Please refer to *Framing & Sheathing Requirements* in the AWP Install Guides.

Brick and Thin Brick

Thin brick and brick veneer will need to be removed in order to install the AWP system. Solid brick walls may be allowed for attachment of the AWP system with furring as outlined in the AWP Installation guides. The project engineer will need to confirm the condition of the solid brick wall is sufficient for the AWP 5 psf dead load plus the designated wind design pressure.

EIFS and Stucco

Since the condition of the framing and sheathing under EIFS or stucco may not be easily verified, and due to the difficulty and uncertainty of adding a furring (anchored into the framing) over the existing surface, the EIFS or stucco *must* be removed. The sheathing and/or WRB can then be replaced if necessary, enabling exterior envelope waterproofing best practices and standard AWP installation. Stucco directly applied to a masonry wall without a lathe may be allowed to remain with furring applied directly over the stucco as outlined in the AWP installation guide.

PEMBs

Existing Pre-Engineered Metal Buildings (PEMBs) may not be suitable for horizontal AWP as new construction is designed with our panels in mind. Existing buildings with unknown or mismatching criteria will not successfully accommodate horizontal AWP. If the existing steel panel can be confirmed to meet the requirements outlined for PEMB in the Nichiha Horizontal AWP Installation Guide installation may be allowed. Vertical AWP is prohibited from installation on PEMB.

The above-described installations are not covered under the Nichiha AWP warranty outside of the above stated allowances.