

SLIMLINE SERIES[®] DESIGN INFORMATION

INSTALLATION

Do not overdrive fasteners. This can cause panel distortion.

PLANNING

Consult a qualified engineer or architect to be sure that your particular applications of this product conform to applicable building codes, regulations, environmental conditions and accepted industry practices. All suggested applications for Slimline Series take for granted a qualified engineer or architect has been consulted prior to the application of the product. Prior to ordering panels, all dimensions should be confirmed by field measurements by the customer or installer.

APPLICATIONS

Slimline Series is a non-structural concealed fastener panel system that can be applied on a variety of projects. They include roofing, siding mansard, or fascia systems. Slimline Series' contemporary design, with economical interlocking ribs and fastening flanges make it ideally suitable for new construction or retro-fit markets on both light commercial and residential projects. For panels longer than 36' please inquire. Panels may not be endlapped.

ROOF SUBSTRATE

For roofing applications, apply Slimline Series over a properly aligned, smooth continuous structural substrate such as 5/8" or thicker plywood surface with a suitable moisture barrier.

PITCH

Recommended minimum is 3" of rise per linear foot of roof measured from eave to peak (3 on 12). Lesser pitch may be possible depending on local weather conditions and design considerations. Consult a qualified engineer or architect.

WATER/VAPOR CONTROL (MOISTURE BARRIER UNDERLAYMENT)

When warm moist air contacts a cold surface such as the underside of a metal roof panel, the water vapor contained in it condenses. The continuous presence of moisture is detrimental to many things, including metal. The use of suitable moisture/vapor barrier and insulations protect the metal and your investment. The minimum acceptable barrier would be 30# builders felt. Other breathable barriers such as "Shingle Mate[®]" or "StormGuard[®]HT" from GAF Materials Corporation provide exceptional long term protections when applied as directed by the manufacturer. Whatever barrier you decide to use must be applied in a smooth continuous manner, free from holes or rips. Fasteners used to attach the barrier must be covered to protect the underside of the panels. Fasteners must be flush with the surface of the barrier or they will cause unwanted distortion of the panel surface. It is further recommended that peak and eave or gable vents be installed to provide adequate air flow in trapped air spaces such as attics. Consult a qualified design professional for venting requirements.

OIL CANNING

Flat surface areas in metal panels are subject to visible stress. This "oil canning" (wave) is evident to some degree in all flat metal surfaces. Every effort is taken to minimize this condition during the forming process. Oil canning does not affect the structural integrity of the panel and is not a cause for rejection.

FASTENERS

Slimline Series panels are best secured to a solid wood substrate by using a 10 x 1" Type A pancake head fastener. Fastener placement is dependent upon design considerations. A qualified engineer must be consulted to insure that all design codes and other pertinent criteria are met.