TREMCO

Metal-Over-Metal Standing Seam Metal Roof System

TremLock VP MOM

TremLock VP MOM roof system is a factory roll formed metal roof system that is manufactured from standard 24 gauge Galvanized steel or 24 gauge Galvalume®. The Galvanized panel is coated with full strength, 70% Kynar® 500/Hylar ® 5000. The Galvalume panel is coated both sides with a layer of aluminum-zinc alloy applied by a continuous hot dipped method. Rib sealant is installed at the factory to ensure water tightness.

TremLock VP MOM is a high profile metal over metal standing seam metal roof system over an existing standing seam or through fastened rib type roofs with a minimum slope of 1/2:12. This system uses spacer clips and structural members to attach the new TremLock VP roof system. The system is an assembly of quality components, assembled in the field to achieve a watertight standing seam roof that performs like a single steel membrane protecting the building and its contents.

Features:	Benefits:
• High profile metal over metal system	• Installed over existing standing seam or fastened through rib type roof system with minimum roof slope of 1/2:12.
• Factory installed rib sealant	• Ensures weather tightness and eliminates leaks through the vertical ribs
• Permanently seamed together in the field	• Provides single membrane, monolithic roof
• Continuous roof-to-fascia design	• Clean, neat appearance
• Installed with movable clips at all intermediate roof and structurals and ridge and panel transitions	• Accommodates thermal movement
• UL approved	• May result in lower insurance premiums

Finish/Color:

Available in low-gloss colors with full strength, 70% Kynar 500 and Hylar 5000 high performance coating. (Refer to color chart for availability and colors.)

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PART 1
GENERAL INFORMATION

Drawings and general provisions of the Contract, including general and supplementary conditions and Division 1 specifications, apply to work specified in this section.

1.01 DESCRIPTION OF WORK

A. This work involves the installation of a new standing seam metal roof system directly over an existing sloped roof as a retrofit for the existing roof. The High Profile Metal Over Metal (MOM) System is designed to allow the installation of Tremco Incorporated, TremLock™ LSP or VP roof system over an existing metal roof with major corrugations higher than 1-3/4" but less than 3" in height. The High Profile MOM Roof System uses spacer clips (2" or 3-1/2" high) and prepunched 1-1/4" spanning members (Hat Sections) in the existing roof field to raise the new roof line above the existing roof panel corrugation.

B. The extent of metal roof system is indicated on drawings and is defined to include metal roof panels, structural members, roof insulation, roof trims including gutters, sealants, fasteners and miscellaneous flashings, closures and accessories directly related to the metal roof system.

C. Manufacturer's standard components shall be used, provided components, accessories and complete structure conform to the requirements and design appearance shown.

1.02 SYSTEM COMPONENTS

A. Base member support structurals for High Profile MOM System shall be:

1. A spacer clip 2" or 3-1/4" high, 0.060 (60 ksi).
2. A prepainted steel base spanning member (Hat Section) 0.060 x 1-1/4", 2-1/2" or 3-3/4" (60 ksi) in height meeting or exceeding the requirements of ASTM A570.

B. Structural connections, base clip connection to existing secondary structurals (Z-purlins, bar joists, etc.) shall be made using a 3/8" x 1" scrubolt. Due to variable site conditions, 5/16" diameter holes may be required to be field drilled. The spanning member to spacer clip connection shall be made using a 5/16" x 1" standard point self-drilling screw.

1.03 DESIGN INFORMATION

A. Installation Criteria:

1. The existing metal roof corrugation must be spaced equally to accommodate installing the Tremco supplied spacer clip on 2'-0" centers the entire length of the existing roof secondary structural (purlin) run.
2. The height of the existing metal roof panel corrugation must not exceed 3" in depth.
3. The High Profile MOM System has been designed in accordance with the 1986 AISI and in accordance with reliable engineering methods and practices.
4. The required design loads (dead, live, snow and wind) shall be applied to the High Profile MOM System. The system will transfer these loads to the existing structure. This load transfer will result in concentrated loads being applied to the existing structure. Tremco will not be responsible for the structural integrity of the existing structure due to the additional dead load of the new roof system over the existing structure. A professional structural engineer should review the existing structure to determine the structural integrity.
5. The High Profile MOM System requires a minimum 2" layer of blanket insulation to be used between the roof panel and the retrofit spanning member to control condensation and dampen roof vibration and noise.

1.04 ROOF PANELS

The High Profile MOM System is designed to interface with either the Tremco TremLock LSP Standing Seam Roof System, a 360° Pittsburgh Double-Lock Seam or the TremLock VP Architectural Standing Seam Roof System. Both roof systems carry UL-Class 90, CEGS 07416 and Factory Mutual wind uplift rating.

Appropriate Roof Specification

See roof specification for TremLock LSP or TremLock VP roof system.

Appropriate Roof Specification
1.05 FINISHES

Following is a list of finish descriptions referred to in this document.

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TremLock VP MOM

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1. Prepainted - Hot rolled, coil-applied structural primer meeting or exceeding the requirements of Federal Specification TT-P-636D, TT-P-664C and steel structures painting council SSPC Paint-25.
2. Prime Painted - Single coat structural primer 1.0 mils thick applied to a surface meeting or exceeding SSPC-SP3.
3. G-90 - A Galvanized, hot dip finish meeting or exceeding the requirements of ASTM A 653.