



## Polyglass Hot Mop Low Slope Common Assemblies: HVHZ

### Florida Product Approval - FL1654-R41 HVHZ

#### Reference Links:

[FL1654-R41 \(HVHZ\) PDF](#)

[Miami-Dade NOAs: \*\*22-0706.08\*\* Wood Deck and \*\*23-1211.04\*\* Concrete Deck](#)

[UL Listing](#)

You can access the Florida Product Approval & UL Listing by using our link above for quick access.

Building Envelope Associates' Engineer, Kelsey Archer, can assist with engineered calculations and other PE-stamped documents for permitting, for a fee.

#### Insulated Assemblies – Over Wood Deck

##### Mech. Attached Base Sheet - Insulation – Mod Bit - Hot Mopped

FL1654-R41 HVHZ, System W-10 on page 12 of 97.

Class A Fire-Rated System UL# 64 on page 20 of 62.

- Wood Deck: Min 15/32” Plywood
- Base Sheet: Polyglass G2 Base, mechanically fastened  
(12 ga R.S. Nails and 32 ga x 1-5/8” Tin-caps)
- Attachment: 8” o.c. in min 2” lap and 8” o.c. at three (3), equally spaced,  
staggered center rows
- Insulation: Min 1.5” Polytherm Iso, Hot Mopped  
(optional) Additional Layer(s) of base insulation, Hot Mopped
- Base Ply: GAFGLAS Stratavent Eliminator Perforated, loose-laid with  
asphalt-sealed side lap
- Ply: Elastobase V, Hot Mopped
- Cap Ply: Elastoflex S6 G FR, Hot Mopped
- MDP = -52.5 psf (may require enhancement by an Engineer)

64. Deck: C-15/32

Incline: ½

**Base Sheet:** Type G2 base, mechanically attached.

**Insulation:** Any UL Classified Polyisocyanurate, Minimum 1-1/2 inch thick, adhered in hot asphalt.

**Ply Sheet:** GAF "GAFGLAS Stratavent Perforated Base Sheet", loose laid.

**Ply Sheet:** Elastobase V, applied in hot asphalt.

**Cap Sheet:** Elastoflex S6 G FR, Elastoflex V G FR, Polyfresko G SBS FR, applied in hot asphalt.

## Mech. Attached Anchor Sheet – Hot Mopped

FL1654-R41 HVHZ, System W-40 on page 18 of 97.

Class A Fire-Rated System UL#18 on page 10 of 62.

**Wood Deck:** Min 19/32" Plywood

**Insulation:** Min 2" Polytherm - one or more layers, Prelim. Attached

**Base Sheet:** Elastobase V "sand/sand" or Polyglass G2 Base,  
mechanically fastened with #14 Screws and Plates

**Attachment:** 12" o.c. in 4" lap and 12" o.c. in two (2), equally spaced staggered  
rows in center of sheet

**Base Ply:** Elastobase V, Hot Mopped

**Cap Ply:** Elastoflex S6 G, hot mopped

**MDP =** -52.5 psf (may require enhancement by an Engineer)

18. Deck: C-15/32

Incline: 1/2

**Insulation:** — Polyisocyanurate (2-in. thick minimum), Glass fiber (15/16-in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum).

**Base Sheet:** — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or Type G2, hot mopped or mechanically fastened.

**Ply Sheet (Optional):** — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically fastened.

**Membrane:** — "Elastoflex S6 G", "Elastoflex S6 G-C" or "Polyfresko G SBS" (modified bitumen), hot mopped.

## **Non-insulated Assembly – Over Wood Deck Mech. Attached Anchor Sheet – Hot Mopped**

Miami-Dade NOA: 22-0706.08, System Type: E(1) on page 49 of 65.  
Class A Fire Rated System UL #9 on page 8 of 62.

Wood Deck: Min 19/32” plywood  
Base Sheet: Polyglass G2 Base, mechanically fastened  
(11 ga R.S. Nails and 1-5/8” Tin-caps)  
Attachment: 8” o.c. in 4” lap and 8” o.c. in three (3), equally spaced,  
staggered center rows  
Base Ply: Elastobase V, hot mopped  
Cap Ply: Elastoflex S6 G FR, hot mopped  
MDP = -52.5 psf (may require enhancement by an Engineer or using  
Miami-Dade Prescriptive Enhancement Tables)

9. Deck: C-15/32

Incline: 1/2

**Base Sheet:** — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or Type G2, hot mopped or mechanically fastened.

**Ply Sheet:** — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically attached.

**Membrane:** — — "Elastoflex VG FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR" (modified bitumen), hot mopped or heat fused.

## **Mech. Attached Anchor Sheet – Hot Mopped**

FL1654-R41 HVHZ, System W-73 on page 22 of 97.  
Class A Fire Rated System UL#9 on page 8 of 62.

Wood Deck: Min 19/32” plywood  
Base Sheet: Elastobase V or Polyglass G2 Base, mechanically fastened  
(11 ga R.S. Nails and 32 ga. 1-5/8” Tin-caps)  
Attachment: 8” o.c. in 4” lap and 8” o.c. in three (3), equally spaced,  
staggered center rows  
Base Ply: Elastobase V, hot mopped  
Cap Ply: Elastoflex S6 G FR, hot mopped  
MDP = -60 psf (may require enhancement by an Engineer or using  
Miami-Dade Prescriptive Enhancement Tables)

9. Deck: C-15/32

Incline: 1/2

**Base Sheet:** — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or Type G2, hot mopped or mechanically fastened.

**Ply Sheet:** — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically attached.

**Membrane:** — — "Elastoflex VG FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR" (modified bitumen), hot mopped or heat fused.

## Insulated Assembly – Over Concrete Deck Fully Adhered Hot Mopped

FL1654-R41 HVHZ, System C-29 on page 52 of 97.

Class A Fire Rated System UL# 8 on page 8 of 62.

Concrete Deck: Primed with PG100  
Insulation: Min 1.5" Polytherm Iso, Hot Mopped  
Coverboard: Min ¼" SECUROCK, Hot Mopped  
Base Ply: Elastobase V, Hot Mopped  
Cap Ply: Elastoflex S6 G, Hot Mopped  
MDP = -225 psf

8. Deck: NC

Incline: 1/2

**Insulation (Optional):** — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber or wood fiberboard, phenolic or perlite, any thickness.

**Base Sheet:** — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C" hot mopped, mechanically fastened or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

**Membrane:** — "Elastoflex VG FR", "Elastoshield TS G FR", "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Polyfresko G SBS FR" (modified bitumen), hot mopped or heat fused.

## Fully Adhered Hot Mopped

FL1654-R41 HVHZ, System C-35 on page 52 of 97.

Class A Fire Rated System UL# 8 on page 8 of 62.

Concrete Deck: Primed with PG100  
Insulation: Min 1.5" Polytherm Iso, Hot Mopped  
Coverboard: Min ¼" Dens-Deck Prime, Hot Mopped  
Base Ply: Elastobase V, Hot Mopped  
Cap Ply: Elastoflex S6 G, Hot Mopped  
MDP = -480 psf

8. Deck: NC

Incline: 1/2

**Insulation (Optional):** — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber or wood fiberboard, phenolic or perlite, any thickness.

**Base Sheet:** — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C" hot mopped, mechanically fastened or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

**Membrane:** — "Elastoflex VG FR", "Elastoshield TS G FR", "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Polyfresko G SBS FR" (modified bitumen), hot mopped or heat fused.

## Fully Adhered Hot Mopped

Miami-Dade NOA: 23-1211.04, System Type: A(5) on page 16 of 52.

Class A Fire Rated System UL# 8 on page 8 of 62.

Concrete Deck: Primed with PG100  
Insulation: (Optional) Min 2" Polytherm Iso, Hot Mopped  
Coverboard: Min ¼" SECUROCK, Hot Mopped  
Base Ply: Elastobase V, Hot Mopped  
Cap Ply: Elastoflex S6 G, Hot Mopped  
MDP = -225 psf

8. Deck: NC

Incline: 1/2

**Insulation (Optional):** — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber or wood fiberboard, phenolic or perlite, any thickness.

**Base Sheet:** — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C" hot mopped, mechanically fastened or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

**Membrane:** — "Elastoflex VG FR", "Elastoshield TS G FR", "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Polyfresko G SBS FR" (modified bitumen), hot mopped or heat fused.

## Fully Adhered Hot Mopped

Miami-Dade NOA: 23-1211.04, System Type: A(10) on page 22-23 of 52. Class A

Fire Rated System UL#8 on page 8 of 62.

Concrete Deck: Primed with PG100  
Insulation: (Optional) Min 1.5" Polytherm Iso, Hot Mopped  
Coverboard: Min ½" Structodeck HD Fiberboard, Hot Mopped  
Base Ply: Elastobase V, Hot Mopped  
Cap Ply: Elastoflex S6 G, Hot Mopped  
MDP = -285 psf

8. Deck: NC

Incline: 1/2

**Insulation (Optional):** — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber or wood fiberboard, phenolic or perlite, any thickness.

**Base Sheet:** — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C" hot mopped, mechanically fastened or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

**Membrane:** — "Elastoflex VG FR", "Elastoshield TS G FR", "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Polyfresko G SBS FR" (modified bitumen), hot mopped or heat fused.

## Non-Insulated Assembly – Over Concrete Deck Fully Adhered Hot Mopped

FL1654-R41 HVHZ, System C-162 on page 65 of 97.

Class A Fire Rated System UL#8 on page 8 of 62.

Concrete Deck: Primed with PG100  
*\*Concrete Deck shall have Structural Slope*

Base Ply: Elastobase V, Hot Mopped

Cap Ply: Elastoflex S6 G, Hot Mopped

MDP = -622 psf

8. Deck: NC

Incline: 1/2

**Insulation (Optional):** — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber or wood fiberboard, phenolic or perlite, any thickness.

**Base Sheet:** — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C" hot mopped, mechanically fastened or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

**Membrane:** — "Elastoflex VG FR", "Elastoshield TS G FR", "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Polyfresko G SBS FR" (modified bitumen), hot mopped or heat fused.

## Fully Adhered Hot Mopped

Miami-Dade NOA: 23-1211.04, System F(4) on page 51 of 52.

Class A Fire Rated System UL#8 on page 8 of 62.

Concrete Deck: Primed with PG100  
*\*Concrete Deck shall have Structural Slope*

Base Ply: Elastobase V, Hot Mopped

Cap Ply: Elastoflex S6 G, Hot Mopped

MDP = -622 psf

8. **Deck:** NC

**Incline:** 1/2

**Insulation (Optional):** — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber or wood fiberboard, phenolic or perlite, any thickness.

**Base Sheet:** — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C" hot mopped, mechanically fastened or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

**Membrane:** — "Elastoflex VG FR", "Elastoshield TS G FR", "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Polyfresko G SBS FR" (modified bitumen), hot mopped or heat fused.