HydroStop®

Liquid Applied Roof System

RECOVER OVER ATTACHED ROOF COVER BOARD



For the complete product lineup contact - Daniel Peña | daniel.pena@gaf.com | 305.812.6865

GAF HydroStop®
Liquid Applied Roof System

Miami-Dade NOA# 24-0514.03 (page 09 of 20)

GAF HydroStop Liquid-Applied Roof System over Recover Deck

ATTACH



+



APPLY



Premium HydroStop® (Fabric Reinforced) over Gypsum Board

Coating Layer 2: GAF Premium Acrylic HydroStop® Top Coat

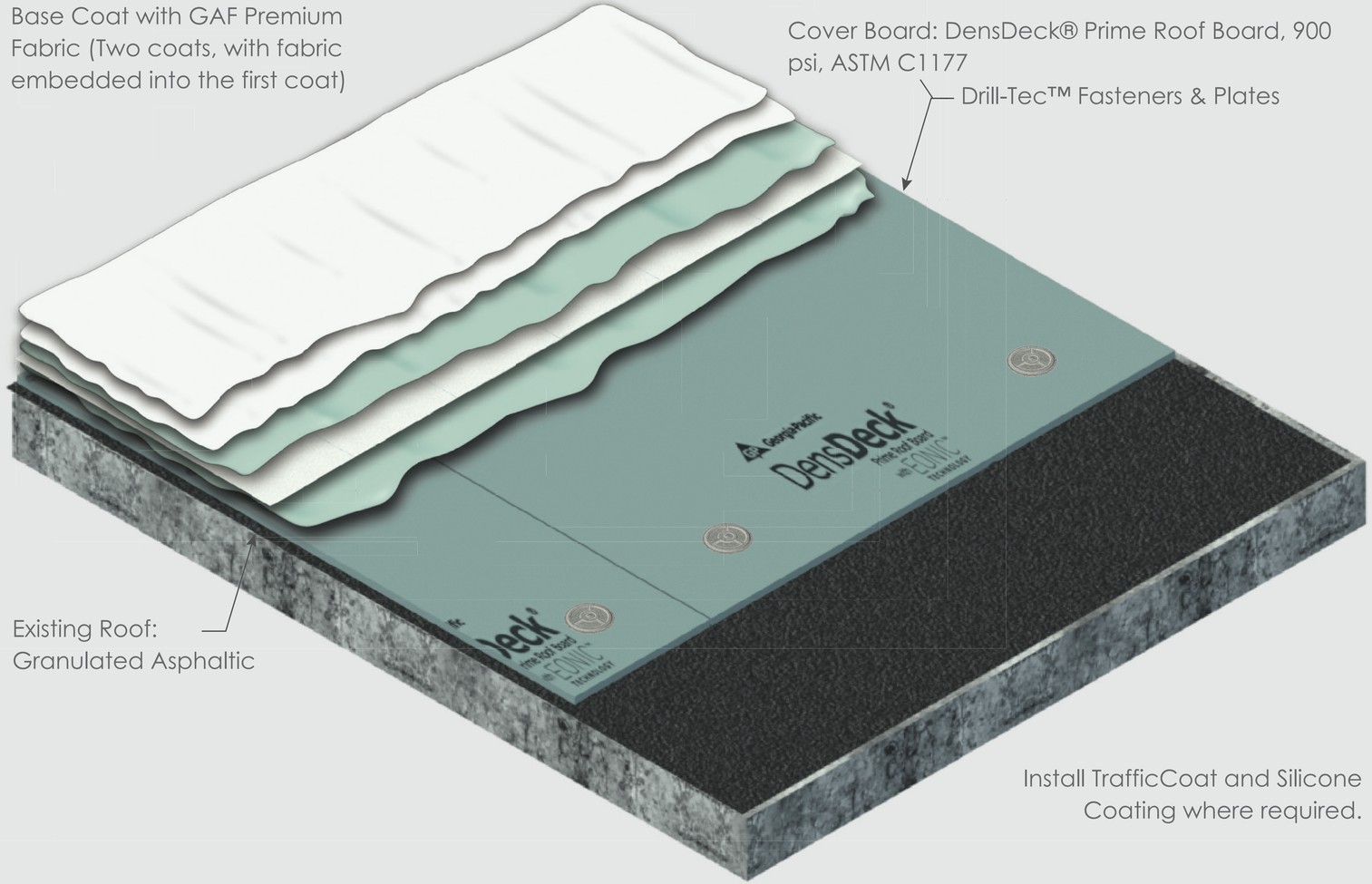
Coating Layer 1: GAF Premium Acrylic HydroStop® Top Coat

Base Coat: GAF Premium Acrylic HydroStop® Base Coat with Fabric

Field Fabric Installation:
GAF Premium Acrylic HydroStop® Base Coat with GAF Premium Fabric (Two coats, with fabric embedded into the first coat)

Cover Board: DensDeck® Prime Roof Board, 900 psi, ASTM C1177

Drill-Tec™ Fasteners & Plates



Existing Roof:
Granulated Asphaltic

Install TrafficCoat and Silicone Coating where required.

Drawing not to scale - The images shown are for illustration purposes only and may not be an exact representation of the products, fastening rates, or assembly.

GAF HydroStop®
Liquid Applied Roof System

Application Rates





COVER BOARD MECHANICALLY ATTACHED



SEAM TREATMENT + FASTENERS



BASE COAT + FABRIC REINFORCED



REFLECTIVE TOP COAT

HydroStop® Liquid-Applied Roof System		Premium Acrylic Base Coat		Premium Acrylic Top Coat	
		Gal. per sq.	Application	Gal. per sq.	Coats
10-Year Liquid-Applied Emerald Pledge™ Limited Warranty or Diamond Pledge™ NDL Roof Guarantee					
Approved Non-Metal	Field of Roof (Fabric Req'd)	2.5	3 coursed	1.5	2
15-Year Liquid-Applied Emerald Pledge™ Limited Warranty or Diamond Pledge™ NDL Roof Guarantee					
Approved Non-Metal	Field of Roof (Fabric Req'd)	2.5	3 coursed	2	2
20-Year Liquid-Applied Emerald Pledge™ Limited Warranty or Diamond Pledge™ NDL Roof Guarantee					
Approved Non-Metal	Field of Roof (Fabric Req'd)	2.5	3 coursed	3	2

ATTACH

COVER BOARD TO DECK



+



Dens-Deck® Prime™:

5/8" x 4' x 4' - Item Code 50DA

1/2" x 4' x 4' - Item Code 50D9

Assembled **#12 Screw And Plate** (ASAP)**:**

ASAP; 3" steel plate; 4" - Detail 458G

ASAP; 3" steel plate; 5" - Detail 458I

BASE COAT

REINFORCED = LEAK FREE COVER





Premium Acrylic HydroStop® **Base Coat**

5-GAL 890024000

GAF Premium **Fabric**

6" x 300' GAF Premium Fabric - 75 Rolls / Box

12" x 300' - 890063000 - 25 Rolls / Box

40" x 336' - 890067000 - 25 Rolls / Box

TOP COAT

Reflective



Premium Acrylic HydroStop® **Top Coat**

5-GAL - 8900 - Standard Colors

5-GAL - 890032111 - Custom Colors

GAF HydroStop®
Liquid Applied Roof System

Recover over an Existing Built-Up Roof (BUR) or Modified Bitumen (MOD-BIT)

Miami-Dade NOA# 24-0514.03 (page 10 of 20) - GAF Liquid Applied Roof Systems over Recover Decks

Miami-Dade NOA# 24-0514.03 (page 09 of 20)

GAF HydroStop Liquid-Applied Roof System over Recover Deck

Membrane Type: Liquid Applied Membrane

Deck Type 7I: Recover, Insulated

System Type C(2): All layers of insulation are mechanically attached to roof deck. Membrane is subsequently fully adhered to insualtion.

Deck Description: Minimum 15/32" thick plywood secured 6" o.c. at panel end and intermediate supports with 8d ring shank nails to supports spaced maximum 24" o.c.

*The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 180 lbf. when tested with Drill-Tec™ #12 Fasteners or Drill-Tec #14 Fasteners installed through to the deck in accordance with TAS 105.

GAF products shall be installed in accordance with the manufacturer's specifications. The following are minimum installation guidelines. Consult the manufacturer's specifications or Technical Repersentative for specific/complete installation instructions.

All General and System Limitations apply.

One or more layers of the following insulations.

Base Insulation Layer (Optional):	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
EnergyGuard™ Polyiso Insulation, EnergyGuard™ Tapered Polyiso Insulation		
Minimum 1" thick	**N/A**	**N/A**
Top Insulation Layer:	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Dens Deck® Prime		
Minimum 0.25" thick	**1, 6, 7, 8**	**1:1.33 ft²**

Note: All layers shall be simultaneously fastened; see top layer for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Insulation Joint Treatment Note: GAF Premium Acrylic HydroStop® Base Coat is brush applied over all top insulation layer joints in a 6 in. width at a rate of 1.25 gal./sq. centered about each joint. 6 in. wide GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat. The fabric is then saturated with additional GAF Premium Acrylic HydroStop® Base Coat brush applied at 1.25 gal/sq.

Membrane: GAF Premium Acrylic HydroStop® Base Coat is brush applied at a minimum rate of 1.25 gal./sq.

GAF Premium Fabric is embedded in the wet GAF Premium Acrylic HydroStop® Base Coat within 4 in. wide seams and is saturated with additional GAF Premium Acrylic HydroStop® Base Coat, brush applied at a minimum rate of 1.25 gal./sq.

Two (2) or more coats of GAF Premium Acrylic HydroStop® Top Coat are applied at a minimum rate of 0.75 gal./sq. per coat.

Surfacing: (Optional) GAF TrafficCoat Pedestrian Surface Coating is applied per manufacturer's installation instructions.

Maximum Design Pressure: -67.5 psf (See General Limitation #7)

UL Product iQ®

UL Solutions

Roofing Systems

COMPANY

GAF
1 Campus Dr
Parsippany, NJ 07054 United States

R6935

FLUID APPLIED COATING SYSTEMS

Class A

6. **Deck:** C-15/32 **Incline:** 4

Insulation: (Optional): — Any UL Classified polyisocyanurate insulation, any thickness, mechanically fastened or adhered with any UL Classified insulation adhesive.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard", "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick National Gypsum Co "DEXcell Glass Mat Roof Board" or "DEXcell FA Glass Mat Roof Board" mechanically fastened with all butt joints staggered a minimum of 6-in. from plywood roof deck butt joints.

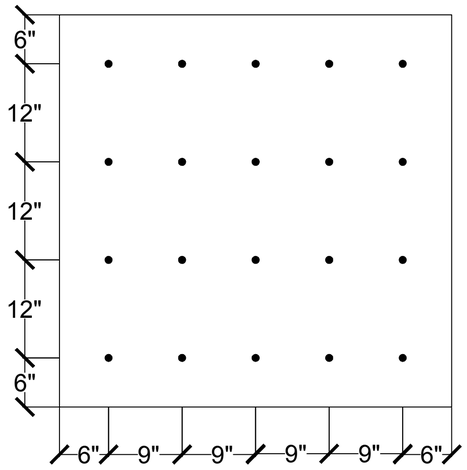
Base Coat: — HydroStop® Foundation Coat" or "Premium Acrylic HydroStop® Base Coat" or "GAF Premium Acrylic HydroStop® Base Coat" applied at rate of 2-gal/100-ft^2.

Reinforcement : — One ply "HydroStop® Fabric" or "GAF HydroStop® Fabric", 3-oz./yd.^{2}, (Not UL Certified) embedded into wet base coating.

Midcoat: — "HydroStop® Foundation Coat" or "Premium Acrylic HydroStop® Base Coat" or "GAF Premium Acrylic HydroStop® Base Coat" applied at rate of 2-gal/100 ft^2.

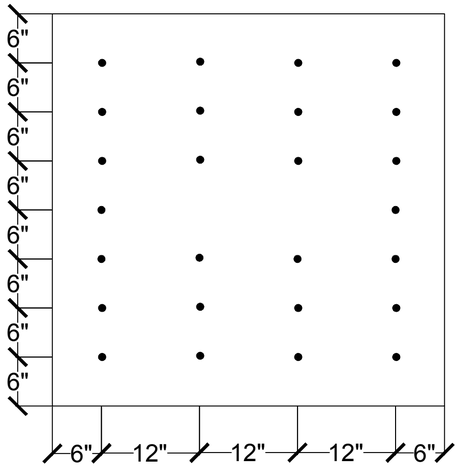
Top Coat: — "HydroStop® Finish Coat" or "Premium Acrylic HydroStop® Top Coat" or "GAF Premium Acrylic HydroStop® Top Coat" applied at a rate of 3/4 to 1-1/2 gal./100-ft^2.

FASTENING PATTERNS



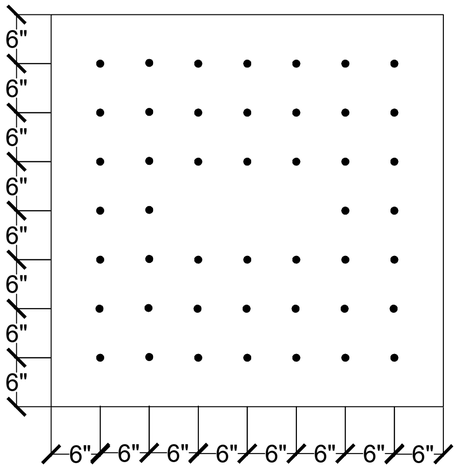
20 FASTENERS PER
4' x 4' BOARD

GAF www.gaf.com 1 Campus Drive Parsippany, NJ 07054	FASTENING PATTERNS	20 FASTENERS PER 4' x 4' BOARD	DRAWING # 20	SYSTEM INFP-4'
	INSULATION BOARD	SPECIFY CORNER - PERIMETER - FIELD	SCALE N.T.S.	ISSUE/ REVISION DATE 5-1-15



30 FASTENERS PER
4' x 4' BOARD

GAF www.gaf.com 1 Campus Drive Parsippany, NJ 07054	FASTENING PATTERNS	30 FASTENERS PER 4' x 4' BOARD	DRAWING # 30	SYSTEM INFP-4'
	INSULATION BOARD	SPECIFY CORNER - PERIMETER - FIELD	SCALE N.T.S.	ISSUE/ REVISION DATE 5-1-15

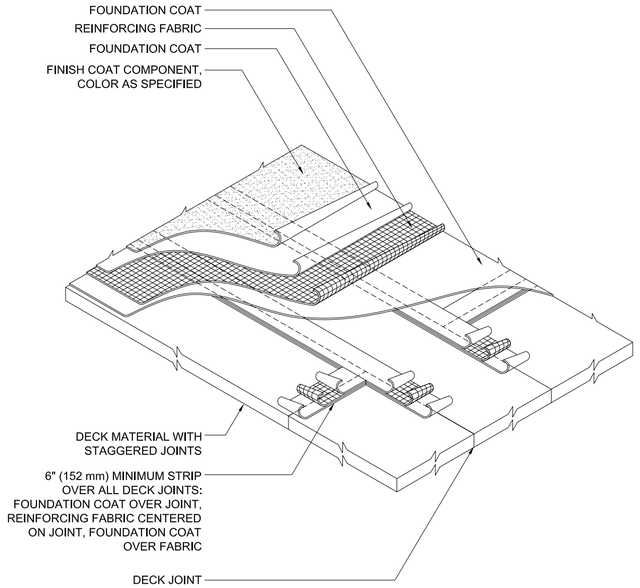


46 FASTENERS PER
4' x 4' BOARD

GAF www.gaf.com 1 Campus Drive Parsippany, NJ 07054	FASTENING PATTERNS	46 FASTENERS PER 4' x 4' BOARD	DRAWING # 46	SYSTEM INFP-4'
	INSULATION BOARD	SPECIFY CORNER - PERIMETER - FIELD	SCALE N.T.S.	ISSUE/ REVISION DATE 5-1-15

Architectural Detail Drawings - HydroStop® Liquid Applied Roof System

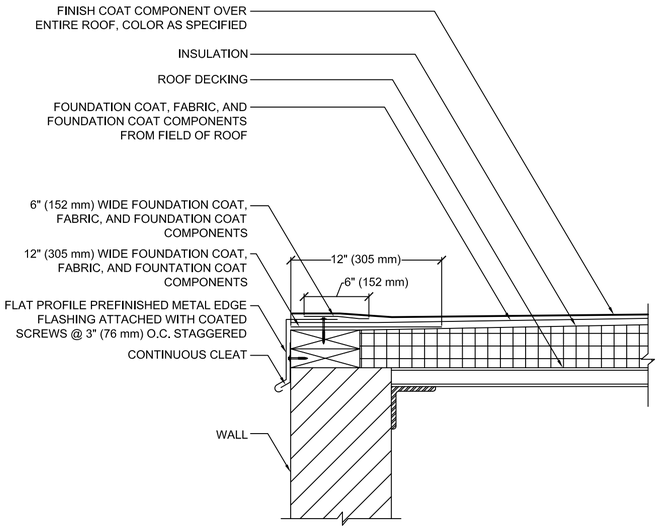
See GAF Liquid Applied Manual for Complete Listing of Architectural Detail Drawings CLICK HERE



NOTE:

1. PREPARE ALL SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
2. ALL JOINTS SHALL BE TIGHT AND STABLE. ALL FASTENERS SHALL BE FLUSH WITH THE DECK.
3. PREMIUM COAT SYSTEM - FOUNDATION COAT, FABRIC, FOUNDATION COAT, AND FINISH COAT COMPONENTS.
4. PRIMING - REFER TO HYDROSTOP® SPECIFICATIONS FOR DECK PRIMING REQUIREMENTS.

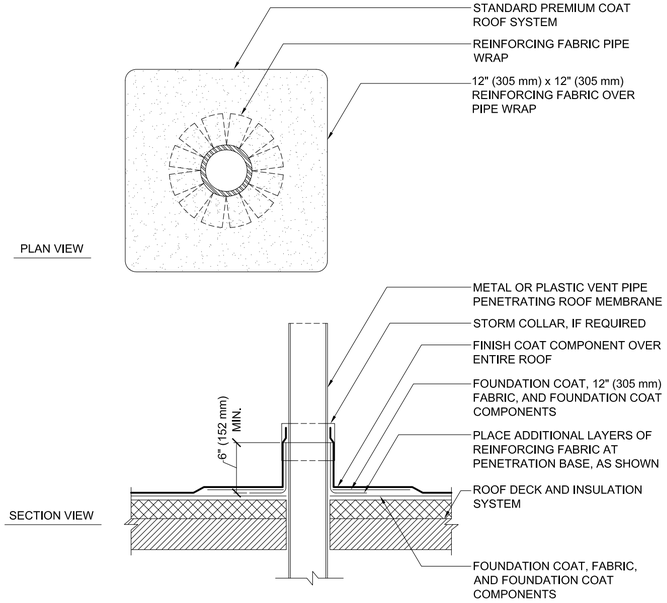
GAF / HYDROSTOP		SYSTEM	DRAWING #
www.gaf.com 1 Campus Drive Parsippany, NJ 07054	DECK JOINT STRIPPING DETAIL	HS	104
FIELD OF ROOF SERIES		SCALE: N.T.S.	ISSUE/ REVISION DATE: 6-1-16



NOTE:

1. ALL FLASHING SHALL BE DESIGNED FOR THE APPLICABLE CONDITIONS. METAL THICKNESS,FASTENERS AND LAPPING SHALL BE AS SPECIFIED BY THE ROOF DESIGNER.
2. REFER TO THE SPECIFICATIONS FOR SPECIFIC EXECUTION REQUIREMENTS.
3. PREMIUM COAT SYSTEM - FOUNDATION COAT, FABRIC, FOUNDATION COAT, AND FINISH COAT COMPONENTS.
4. PRIMING - REFER TO HYDROSTOP® SPECIFICATIONS FOR DECKING PRIMING REQUIREMENTS.

GAF / HYDROSTOP		SYSTEM	DRAWING #
www.gaf.com 1 Campus Drive Parsippany, NJ 07054	STANDARD DRIP EDGE DETAIL	HS	201
ROOF EDGE SERIES		SCALE: N.T.S.	ISSUE/ REVISION DATE: 6-1-16



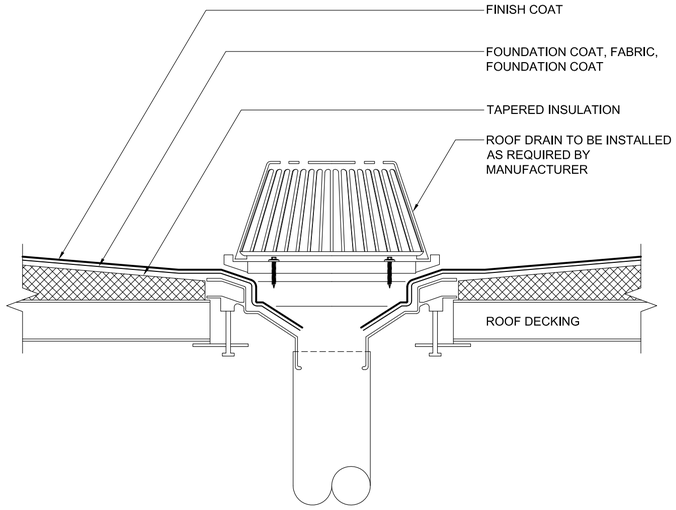
NOTE:

1. THIS DETAIL IS A TYPICAL PENETRATION DETAIL APPLICABLE FOR ALL COLD PIPE PENETRATIONS. FOR HOT PIPE PENETRATIONS, CONTACT THE MANUFACTURER FOR REQUIREMENTS.
2. FOR PIPE PENETRATIONS THAT EXCEED 18" (457 mm) ABOVE THE ROOF SURFACE, A STORM COLLAR SHALL BE USED WITH A DRAW BAND AND CAULKING. THE ROOF COATING SHALL EXTEND 8" (203 mm) MINIMUM UP THE PENETRATION SURFACE AS INDICATED IN THIS DETAIL.
3. PREMIUM COAT SYSTEM - FOUNDATION COAT, FABRIC, FOUNDATION COAT, AND FINISH COAT COMPONENTS. ALL GUTTER SEAMS ARE TREATED WITH FOUNDATION COAT AND 4" (102 mm) OR 6" (152 mm) FABRIC DEPENDING ON PROFILE OF THE GUTTER (CONTACT TECHNICAL SERVICES).
4. PRIMING - REFER TO HYDROSTOP® SPECIFICATIONS FOR DECK PRIMING REQUIREMENTS.

GAF / HYDROSTOP		SYSTEM	DRAWING #
www.gaf.com 1 Campus Drive Parsippany, NJ 07054	VENT-PIPE FLASHING DETAIL	HS	502
ROOF PENETRATION SERIES		SCALE: N.T.S.	ISSUE/ REVISION DATE: 6-1-16

Architectural Detail Drawings - HydroStop® Liquid Applied Roof System

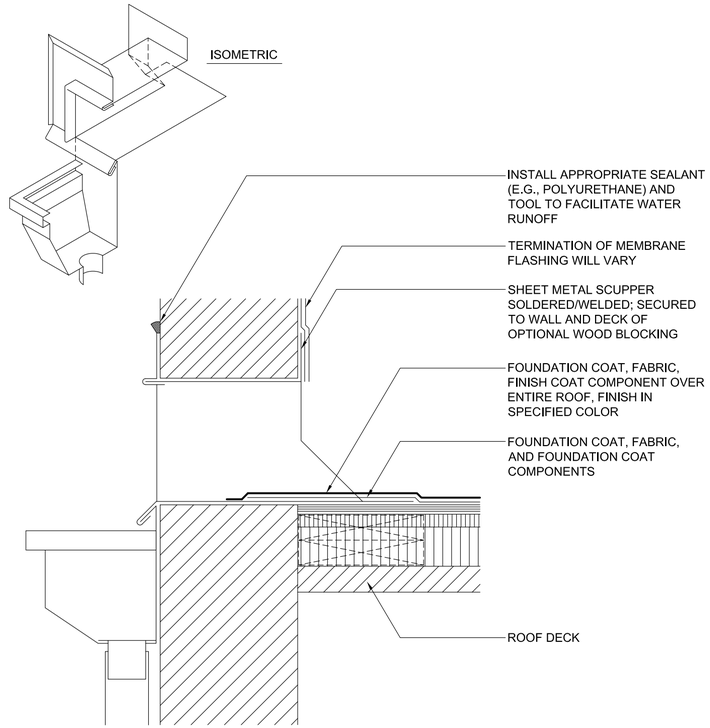
See GAF Liquid Applied Manual for Complete Listing of Architectural Detail Drawings CLICK HERE



NOTE:

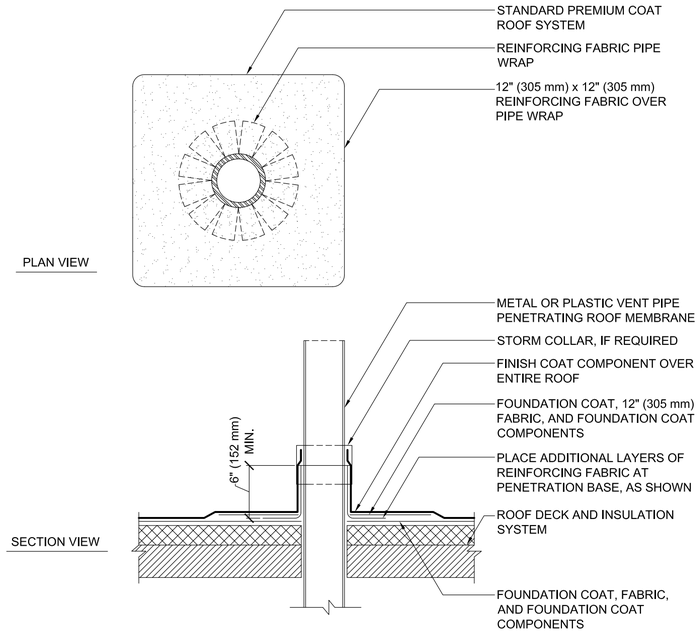
1. ROOFING MEMBRANE SHALL EXTEND UNDER THE ROOF DRAIN COMPRESSION CLAMP RING.
2. ALL DRAIN COMPONENTS SHALL BE MADE OF CAST IRON UNLESS APPROVED BY THE ROOF MEMBRANE MANUFACTURER TO USE ANOTHER MATERIAL.
3. SLOPE INSULATION TOWARDS DRAIN.
4. PRIMING - REFER TO HYDROSTOP® SPECIFICATIONS FOR DECK PRIMING REQUIREMENTS.

GAF HYDROSTOP	STANDARD ROOF DRAIN DETAIL	SYSTEM HS	DRAWING # 504
www.gaf.com 1 Campus Drive Parsippany, NJ 07054 / ROOF PENETRATION SERIES		SCALE N.T.S.	ISSUE/ REVISION DATE 6-1-16



NOTE:

GAF HYDROSTOP	SCUPPER DETAIL	SYSTEM HS	DRAWING # 305
www.gaf.com 1 Campus Drive Parsippany, NJ 07054 / WALL & CURB SERIES		SCALE N.T.S.	ISSUE/ REVISION DATE 6-1-16



NOTE:

1. THIS DETAIL IS A TYPICAL PENETRATION DETAIL APPLICABLE FOR ALL COLD PIPE PENETRATIONS. FOR HOT PIPE PENETRATIONS, CONTACT THE MANUFACTURER FOR REQUIREMENTS.
2. FOR PIPE PENETRATIONS THAT EXCEED 18" (457 mm) ABOVE THE ROOF SURFACE, A STORM COLLAR SHALL BE USED WITH A DRAW BAND AND CAULKING. THE ROOF COATING SHALL EXTEND 8" (203 mm) MINIMUM UP THE PENETRATION SURFACE AS INDICATED IN THIS DETAIL.
3. PREMIUM COAT SYSTEM - FOUNDATION COAT, FABRIC, FOUNDATION COAT, AND FINISH COAT COMPONENTS. ALL GUTTER SEAMS ARE TREATED WITH FOUNDATION COAT AND 4" (102 mm) OR 6" (152 mm) FABRIC DEPENDING ON PROFILE OF THE GUTTER (CONTACT TECHNICAL SERVICES).
4. PRIMING - REFER TO HYDROSTOP® SPECIFICATIONS FOR DECK PRIMING REQUIREMENTS.

GAF HYDROSTOP	VENT-PIPE FLASHING DETAIL	SYSTEM HS	DRAWING # 502
www.gaf.com 1 Campus Drive Parsippany, NJ 07054 / ROOF PENETRATION SERIES		SCALE N.T.S.	ISSUE/ REVISION DATE 6-1-16

GAF

We protect what matters most™

Version 2.2

LIQUID-APPLIED ROOFING

Manual





PAGE 55

Download GAF Liquid-Applied Roofing Manual CLICK HERE

PREMIUM ACRYLIC HYDROSTOP® FABRIC REINFORCED QUICK SPEC

GYPSUM ROOF BOARD (DENSDECK® PRIME & SECUROCK®) (HS-20)

NOTE: *The following "Quick Spec" is an abbreviated specification and is not meant to replace the detailed specification. Complete 3-part CSI System Specifications are available at www.gaf.com.*

METHOD REQUIREMENTS

Required:

- ❍ Roof must be clean, dry, and tight.
- ❍ If mechanically attached, plates must be encapsulated with Premium Brush-Grade Flashing.
- ❍ The gypsum roof board should be at least 1/2" (12 mm) thick. Refer to local building code and manufacturer's instructions for further coverboard and insulation requirements.
- ❍ Apply at 50°F (10°C) and rising with no rain, dew, fog or freezing temperatures in the forecast for 8 hours.

Installation Overview:

1. Ensure roof is free of dirt, debris, oil, and other contaminants that could negatively affect adhesion.
2. All seams must be 3-coursed with flashing grade and fabric.
3. Apply coating per the chart below.

Recommendations:

- Refer to Technical Data Sheet for product specific application and surface temperature restrictions.
- Using a compatible pre-primed gypsum board can prevent additional coating from being soaked into the board and is preferred.

SEAMS & DETAILS

Treatment Type	Product	Total (Gal/Sq)	Total (linear ft/gal)*	DFT* (mils)
3-Coursed Rates	Premium Brush-Grade Acrylic Flashing and Fabric	4.0	30	43
Flashing Grade Only Rates	Premium Brush-Grade Acrylic Flashing	2.0	100	19

Note: For other product options, please refer to our Seam Treatment Guide.
**Flashing rates are based on a 6" (152 mm) width.*

GYPSUM ROOF BOARD (DENSDECK® PRIME & SECUROCK®)

	Premium Acrylic HydroStop® Base Coat (with fabric)		Premium Acrylic HydroStop® Top Coat				System		Warranties/ Guarantees Available	
	Total (Gal/Sq)	DFT* (mils)	1st Coat (Gal/Sq)	2nd Coat (Gal/Sq)	Total (Gal/Sq)	DFT* (mils)	Total (Gal/Sq)	DFT* (mils)	Emerald Pledge™	Diamond Pledge™
10 Year	2.5	27	.75	.75	1.50	13	4.00	40	Yes	Yes
15 Year	2.5	27	1.00	1.00	2.00	17	4.50	44	Yes	Yes
20 Year	2.5	27	1.50	1.50	3.00	25	5.50	52	Yes	Yes

** Dry Film Thickness (DFT) is rounded to nearest mil, and is theoretical. Actual DFT will vary dependent on substrate profile, application technique and waste factor.*
Note: DFT for 3-coursed rates includes 6 mils for the fabric.
DensDeck® is a registered trademark of Georgia-Pacific Gypsum LLC.
SECUROCK® is a registered trademark of United States Gypsum Company.

GAF HydroStop®
Liquid Applied Roof System

BASE COAT + Reinforced Fabric
(Wet-on-Wet Technique)

BASE COAT



Unit# 890024000

GAF HydroStop® Base Coat 5 gallon

REINFORCING FABRIC

890061000 - **6”** x 300’ GAF Premium Fabric - 75 Rolls / Box
890063000 - **12”** x 300’ GAF Premium Fabric - 25 Rolls / Box
890067000 - **40”** x 336’ GAF Premium Fabric - 25 Rolls / Box





Premium Acrylic HydroStop® Base Coat (with fabric)	
Total (Gal/Sq)	DFT* (mils)
2.5	27















GAF PREMIUM BRUSH-GRADE Acrylic Flashing





Acrylic Flashing available in White or Light Gray

WHITE	LIGHT GRAY

Unit Size	Color	Item #
2 gal. (7.57 L)	White	890290920
5 gal. (18.93 L)	White	890291920
2 gal. (7.57 L)	Gray	890221419
5 gal. (18.93 L)	Gray	890222419







Treatment Type	Product	Total (linear ft/gal)+	DFT* (mils)
3-Coursed Rates	Premium Brush-Grade Acrylic Flashing and Premium Fabric	30	43
Flashing Grade Only Rates	Premium Brush-Grade Acrylic Flashing	100	19

- **Extra high film build: Apply 1/8" to 3/16" thick.**
- **Provides protection against leaks**
- **Paintable, ideal for repairs and maintenance**

GAF PremiumAcrylic

HydroStop® Top Coat

10-Year Rate	15-Year Rate	20-Year Rate
1.5 Gal/Sq	**2** Gal/Sq	**3** Gal/Sq
13 DFT², mils	17 DFT², mils	25 DFT², mils
3.33 Sq per 5-gal pail	2.5 Sq per 5-gal pail	1.67 Sq per 5-gal pail



Standard Colors:

- White
- Dark Gray
- Light Gray
- Tan
- Light Tan

Pre-Approved Custom Colors:

- Dove Gray
- Charcoal
- Patina Green
- Teal Green
- Evergreen
- Slate Blue
- Brown
- Terracotta
- Tinners Red





GAF Premium Acrylic HydroStop® **TOP COAT**

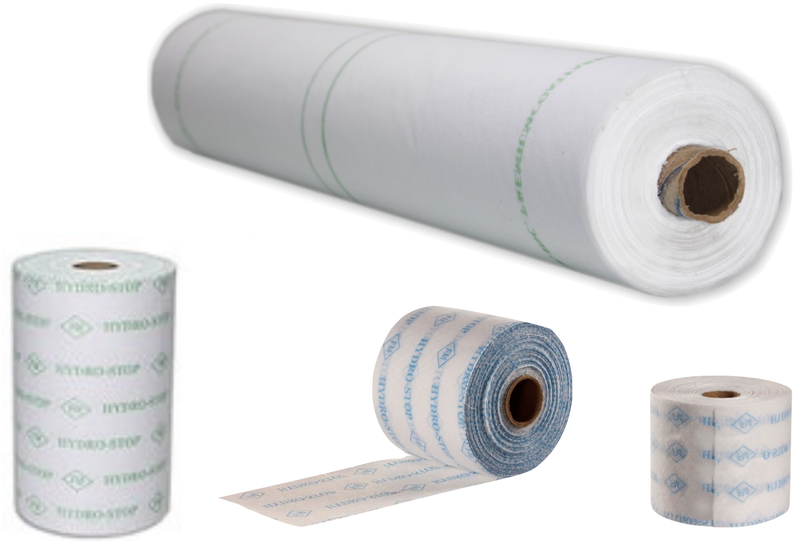
8900 - Premium Acrylic Hydrostop Top Coat 5-GAL - Standard

890032111 - Premium Acrylic Hydrostop® Top Coat 5-GAL - Custom

Custom Colors & Pre Approved Custom Colors minimum is 25 Gal

GAF HydroStop®
Liquid Applied Roof System

FABRIC & APPLICATION TOOLS



890067000 - **40”** x 336’ GAF Premium Fabric - 25 Rolls / Box
890066000 - **24”** x 300’ GAF Premium Fabric - 25 Rolls / Box
890065000 - **20”** x 300’ GAF Premium Fabric - 25 Rolls / Box
890064000 - **16”** x 300’ GAF Premium Fabric - 25 Rolls / Box
890063000 - **12”** x 300’ GAF Premium Fabric - 25 Rolls / Box
890061000 - **6”** x 300’ GAF Premium Fabric - 75 Rolls / Box
890060000 - **4”** x 300’ GAF Premium Fabric - 100 Rolls / Box



GAF Chip Flashing Brush 4” - 12 per box
Item #890083000



GAF Hand Roof Brush 4” - 12 per box
Item #890087000



GAF Roof Block Brush Handle - 12 per box
Item #890086000



GAF Roof Block Brush 10” - 12 per box
Item #890085000

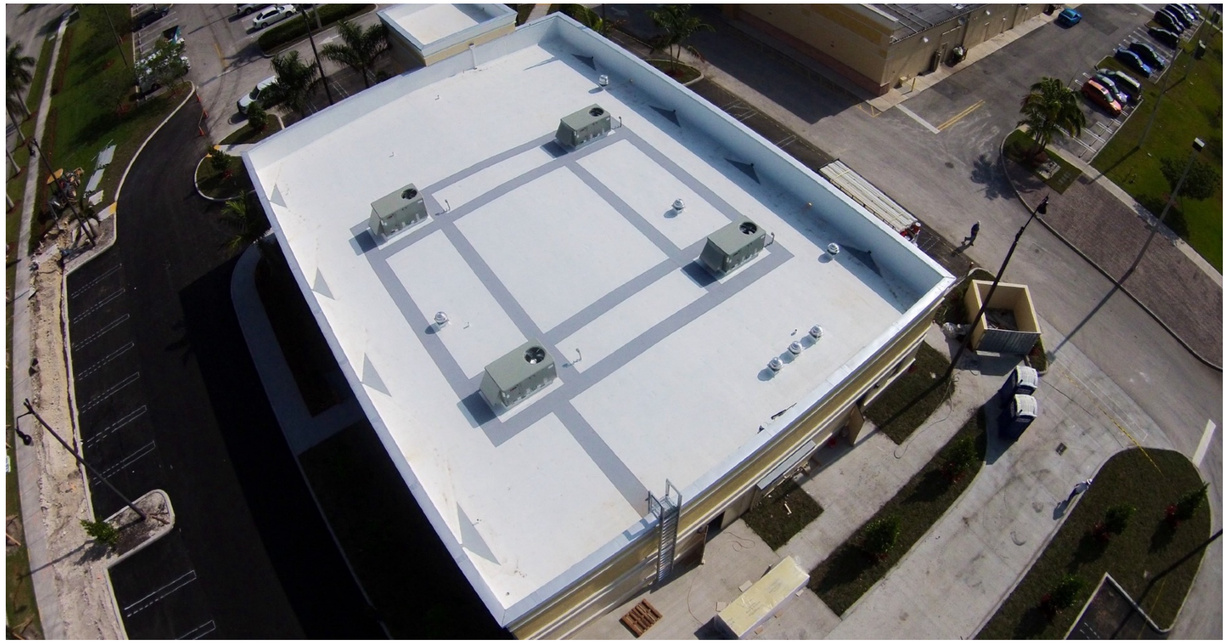


GAF Roof Block Brush 6” - 12 per box
Item #890084000

GAF TrafficCoat
Pedestrian **Surface Coating**

Outdoor protection for high-traffic decks, walkways and roofs











89087/8911 **GAF TrafficCoat** Standard Color - 5 GAL

890345111 **GAF TrafficCoat** Custom Color - 5 GAL

GAF Minimum custom color order for Traffic Coat is 30 gallons.

Code Approvals:

- Miami-Dade County Product Control Approved

MIAMI-DADE COUNTY APPROVED

Colors:

Flint Gray	Safety Yellow
Sandstone	Oyster

Digital or print color samples may not match actual colors. Always refer to physical samples before making color choices. GAF offers custom colors of Traffic Coat for orders of 30 gallons or more.

HydroStop® Liquid Applied Roof System + Ponding Treatment (GAF High Solids Silicone)







SURFACING - PONDING TREATMENT

Install in Low Lying Areas Only or as alternative to the HydroStop Premium Acrylic Top Coat

891416 GAF High Solids Silicone - Standard Colors - 5 GAL
891417 GAF High Solids Silicone - Standard Colors - 55 GAL

Standard Colors for Silicone are White, Dark Gray and Tan

LIQUID-APPLIED
ROOFING & WATERPROOFING

Daniel Peña

GET PEACE OF MIND WITH A GAF PRO

305.812.6865

daniel.pena@gaf.com



Photo taken at #WALLOFWIND

There’s a liquid solution for your roof - talk to GAF first