



Fluid-Applied Air Barrier Assembly Audit Report

ABAA Assigned Audit Report #:

For ABAA office use only

Scheduled Project Audit X of X:

Audit Date and Time:

Project Name:

Project Address:

Auditor Name:

ABAA Auditor Certification #:

Phone #:

Alternate Phone #:

Accredited Contractor:

Primary Contact:

ABAA Contractor Member #:

Phone #:

E-mail Address:

Certified Installer:

ABAA Certification #:

Expiry Date:

Certified Installer:

ABAA Certification #:

Expiry Date:

Registered Installer:

ABAA Registration #:

Expiry Date:

Registered Installer:

ABAA Registration #:

Expiry Date:

General Contractor :

Primary Contact:

Address:

Office Phone #:

Site Phone #:

E-mail Address:

Design Professional:

Primary Contact:

Address:

Phone #:

E-mail Address:

Project Description:

Primary Air Barrier Material:

(Manufacturer Name & Trade Name)

YES	NO	N/A	DEMERIT POINTS	
			Installer	Contractor

Section 1 - Air Barrier Assembly Materials

Fluid-Applied Air Barrier Material:

Manufacturer name: _____
 Primary air barrier material trade name: _____
 Lot/batch number: _____

Is the material being installed one of the materials in the project specifications or has it been approved by the specifier? YES NO N/A

Are manufacturers installation instructions on site and in installers possession? YES NO N/A

Installed material expiry date within limits? YES NO N/A

MSDS sheets on-site and in installers possession? YES NO N/A

Transition Material:

Manufacturer name: _____
 Transition material trade name & type (FA or SA): _____
 Transition material lot/batch number: _____
 Primer manufacturer: _____
 Primer trade name: _____
 Primer lot/batch number: _____

Are manufacturers installation instructions on site and in installers possession? YES NO N/A

Installed material expiry date within limits? YES NO N/A

MSDS sheets on-site and in installers possession? YES NO N/A

Mastic/Sealant:

Manufacturer: _____
 Mastic/sealant name: _____
 Lot/batch number: _____

Are manufacturers installation instructions on site and in installers possession? YES NO N/A

Installed material expiry date within limits? YES NO N/A

MSDS sheets on-site and in installers possession? YES NO N/A

Are all materials being stored on-site at time of audit as per manufacturers specifications? YES NO N/A

Section 1 - Air Barrier Assembly Notes

Observations:

Corrections:

YES	NO	N/A	DEMERIT POINTS	
			Installer	Contractor

Section 2 - Audit Preparation

Certified Installer(s):	On-site at time of audit?	<input type="checkbox"/>	<input type="checkbox"/>		
	Applying air barrier?	<input type="checkbox"/>	<input type="checkbox"/>		
Registered Installer(s):	On-site at time of audit?	<input type="checkbox"/>	<input type="checkbox"/>		
	Applying air barrier?	<input type="checkbox"/>	<input type="checkbox"/>		
Are the installer(s) certified by ABAA to install self-adhered and fluid-applied air barrier materials? <small>(see back of installers card for certification(s))</small>		<input type="checkbox"/>	<input type="checkbox"/>		
Are daily job site reports on site and in installers possession?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are daily job site reports complete and accurate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do all installers have ABAA photo identification card(s) on site and in installers possession?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all installer photo identification card(s) current?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the air barrier accessories (<i>i.e.</i> , transition materials, mastic, primer) used listed by the manufacturer in their master specification?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If no, have they been approved by the manufacturer in writing?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
What is project specifications for thickness of the fluid-applied air barrier material (in wet mils)?		0			
What is manufacturer master specifications for application thickness of the fluid-applied air barrier material (in wet mils)?		(MUST list number)			
What is the percentage of ABAA QAP-specified air barrier assembly installed at time of audit?					
What is the percentage of ABAA QAP-specified installed air barrier assembly available for visual inspection?					

Section 2 - Audit Preparation Observations and Mandatory Corrections

Observations:

Corrections:

YES	NO	N/A	DEMERIT POINTS	
			Installer	Contractor

Section 3 – Substrate Conditions, Preparations, and Visible Observations

Substrate Material(s):		Concrete Block (CMU)				
		Concrete (poured)				
		Exterior Gypsum Wallboard				
		OSB				
		Plywood				
Other: _____						
Ambient Conditions:						
Temperature:	_____ °F					
Humidity:	_____ % RH					
Wind:	_____ mph					
Full sun, partial shade, full shade?	_____					
Is temperature, wind and humidity within limits of manufacturers instructions?						
Substrate Conditions:						
Temperature (°F):	_____					
Moisture content (MC):	_____					
Is temperature and moisture content within limits of manufacturers instructions?						
Substrate Preparation:						
Dry from bulk water and surface moisture?						
Clean and free of grease, oil, wax, rust and loose scale solvents and other contaminants that may impair the bond of the air barrier materials?						
Unit masonry and cast-in-place concrete free of excess mortar, flush and free of voids?						
Unit masonry joints smooth, flush and free of voids?						
Joints on plywood, gypsum board and other substrates prepared in accordance with the fluid-applied air barrier manufacturer's master specification?						
Substrate primed in accordance with fluid-applied air barrier manufacturer's master specification?						
If no, please describe in the observations section below.						
Is the substrate temperature within manufacturer's requirements during application of fluid-applied air barrier and transition materials during the audit?						

Section 3 - Substrate Observations and Mandatory Corrections

Observations:

Corrections:

YES	NO	N/A	DEMERIT POINTS	
			Installer	Contractor

Section 4 - Visual Inspection

Pictures taken by auditor ?					
Video taken by auditor ?					
Location of inspection:					
	North Wall:				
	South Wall:				
	East Wall:				
	West Wall:				
If any of the above listed as N/A, provide details in the observations section below.					
(Abbreviation "MS" - Manufacturer Master Specification):					
Transition Materials:					
Were transition materials specified and used on this project?					
If no, explain in observations section below.					
Did the auditor observe the installer applying primer for transition membrane?					
If yes, did sufficient time elapsed for transition membrane application over primer in accordance with MS?					
Primer for transition materials used specified in accordance with MS?					
Was primer and transition material applied at a temperature in accordance with MS at time of audit?					
Transition membrane fully bonded to substrate, rolled smooth, free of wrinkles, not delaminated, free of "fish mouths" and voids?					
Transition membrane seams and end joints overlapped in accordance with MS?					
All joints and exposed edges in transition materials terminated in accordance with MS?					
Were transition membranes installed at building envelope penetrations such as corners, joints, drains, penetrations and window/door openings as per MS or project specifications?					
Fluid-Applied Air Barrier Material:					
Final application of material a uniform color and thickness?					
Is the final application free of problems such as slumping, blistering, peeling and "alligator skin"?					
Application equipment used as per fluid-applied air barrier manufacturer's specifications?					
Application of passes in accordance with MS?					
Are the adjoining areas free of overspray?					
General:					
Transition membranes and fluid-applied air barrier materials applied at a temperature in accordance with MS at time of audit?					
Are damaged areas or voids from pull-adhesion testing repaired in accordance with MS?					
Were transition membranes installed as per MS?					
Width of transition membrane meets MS?					
Has transition membranes and fluid-applied air barrier materials been kept free of contact with non-compatible (physical or chemical) materials?					
As per daily work sheets, is transition materials and fluid-applied air barrier material within manufacturers UV exposure time limit at the time of audit?					

Section 4 - Visual Inspection Observations and Mandatory Corrections

Observations:

Corrections:

YES	NO	N/A	DEMERIT POINTS	
			Installer	Contractor

Section 5 - Physical Testing

Adhesion Testing by Auditor:

Installers adhesion tester on site?
 Is installer conducting daily adhesion testing?
 Did auditor observe adhesion testing by installer?

Observations/Comments

(three discs must be completed and report the surface of adhesion loss as per ASTM D4541, the disc shall be between 2 1/4" and 4" in diameter)

Disc:	Adhesion:	Result:
#1	Force (lbs from gauge)	<i>(MUST list tested value)</i>
	Diameter of disc (inches)	<i>(MUST list tested value)</i>
	Pull-off strength (psi)	#VALUE!
#2	Force (lbs from gauge)	<i>(MUST list tested value)</i>
	Diameter of disc (inches)	<i>(MUST list tested value)</i>
	Pull-off strength (psi)	#VALUE!
#3	Force (lbs from gauge)	<i>(MUST list tested value)</i>
	Diameter of disc (inches)	<i>(MUST list tested value)</i>
	Pull-off strength (psi)	#VALUE!

Thickness testing:

Is installer conducting daily thickness testing?
 Did auditor observe installer conduct thickness testing?

Observations/Comments

(six tests must be completed by auditor with a caliper or wet-film gauge, visual thickness testing is not acceptable)

Test:	Thickness (mils):	Wet/Dry?:
#1	<i>(MUST list value)</i>	
#2	<i>(MUST list value)</i>	
#3	<i>(MUST list value)</i>	
#4	<i>(MUST list value)</i>	
#5	<i>(MUST list value)</i>	
#6	<i>(MUST list value)</i>	
Average Thickness Tested	0	

Please provide observations/comments regarding thickness testing.

Section 5 - Physical Testing Observations and Mandatory Corrections

Observations:

Corrections:

			YES	NO	N/A	DEMERIT POINTS	
						Installer	Contractor
Section 6 - Safety							
Is hard hat being worn by ABAA installer(s)?							
Is safety footwear being worn by ABAA installer(s)?							
Is site clean of fluid-applied related installation materials and equipment?							
Is site clean of waste air barrier installation materials?							
Section 6 - Safety Observations and Mandatory Corrections							
Observations:							
Corrections:							
			YES	NO	N/A	DEMERIT POINTS	
						Installer	Contractor
Section 7 - Installer Awareness							
ABAA installer(s) aware of any deficiencies in the applied air barrier assembly?							
Was the ABAA contractor informed of deficiencies, post-audit?							
Does the ABAA contractor and installer(s) have a proper corrective action plan in place to address deficiencies?							
Section 7 - Installer Awareness Observations and Mandatory Corrections							
Observations:							
Corrections:							
Section 8 - Total Demerits							
Total demerits - Installer:		0					
Total demerits - Contractor:		0					
Auditor Signature: _____			Date: _____				
<i>This report only describes conditions that were open, accessible, and visible at the time of the audit. This report does not address and makes no representations concerning inaccessible or hidden conditions, and/or work that was covered at the time of the audit.</i>							