



## INSTALLATION INSPECTION GUIDE FOR 3RD PARTY INSPECTORS FOR PAREX USA EXTERIOR INSULATION AND FINISH SYSTEMS

### Introduction

This inspection guide is organized to follow the EIF System's Installation Guide. It should be used in conjunction with the system *Installation Guide* and the *Product Data Sheet* for each of the system components. These publications contain the specific requirements for the use of the EIFS components and their incorporation into the system. In addition, reference should be made to the specification and detail drawings for the system. These publications are available on the Parex USA branded websites.

Users of this guide should be thoroughly familiar with EIFS and general construction and be able to read and understand construction plans and specifications.

This Inspection Guide is divided into in three parts. The parts follow the order of the construction.

The first part of the guide covers some items of construction that are installed prior to the EIFS. For those items of construction, though, the guide is limited to inspecting the features that are specific requirements for the EIFS.

The second part covers inspection of the EIFS at each of the major steps of its installation.

The third part covers some items of construction that are installed after the EIFS. But also, for those items of construction, the guide is limited to inspecting the features that are specific requirements for the EIFS.

Each of the three parts contains a series of checklists that can be copied for use.

EIFS installation progresses by layers, with each layer covering the previous work. Therefore, inspecting different stages of the work requires schedule coordination.

The inspections addressed by this guide are those that do not require testing or demolition or other destructive measures.

The checklists are not intended to prevent inspectors from using their own alternative methods of recording or reporting their findings nor is it intended to limit the scope of inspections agreed to between the inspector and the party engaging the inspector's services.

This guide is not intended to define the scope of the EIFS installer's work.

The user of this guide assumes all responsibility for its use.

Please direct any questions about this guide to:

Technical Services  
Parex USA, Inc.  
[www.parexusa.com](http://www.parexusa.com)  
1-800-226-2424

### Third Party Inspector Qualifications

1. The third party inspector should be knowledgeable in the construction industry.
2. The third party inspector should be knowledgeable in the installation of exterior insulation and finish systems (EIFS).
3. The third party inspector should have attended a training session provided by AWCI and should possess an AWCI/EIFS Inspector Training Certificate.
4. The third party inspector should be capable of reading and understanding design and construction drawings as well as EIF System details. He/she should be able to identify and report discrepancies between project conditions and the project EIFS design requirements in a timely manner so as not to delay the construction schedule.

The third party inspector should report all discrepancies and nonconforming work to the Owner, Architect, General Contractor/Construction Manager and EIFS Applicator or as agreed with the party engaging the third party inspector's services.

All deviations should be corrected by the EIFS Applicator or other appropriate subcontractor prior to proceeding with the next stage of installation. The Third Party Inspector should confirm that the deviation was corrected and conforms with the contract documents. **The final section of this Guide provides for a record of corrections.**

### Inspection

A final inspection of the project should be conducted jointly by the Owner, Third Party Inspector, General Contractor/Construction Manager, and EIFS Applicator for the purpose of final review and acceptance of the work by the Owner.

Applicable Products for each EIF System are shown in the table below. Substrate, Flashing, and Sealant Checklists are applicable for all systems.

	Water Resistive Barriers (Sheet)	Water Resistive Barriers Coatings	Mechanical Fasteners	Adhesive
Parex Standard and Optimum System				YES
Parex Standard Extra System		YES		YES
Parex Standard & Optimum Water Master LCR	YES		YES	
Parex Water Master DB		YES		YES
Parex Standard & Optimum Water Master		YES		YES
TeifsFlex				YES
TeifsAirtight		YES		YES
TeifsPermadry	YES		YES	
TeifsPermadrain	YES		YES	
TeifsWeathertight/VNT		YES		YES
El Rey Insul-Flex® Adhered Standard EIFS				YES
El Rey Insul-Flex® Mechanically Fastened Standard EIFS	Optional			YES
El Rey Insul-Flex® VR Drainage		YES		YES
El Rey Insul-Flex® with StuccoWrap or Housewrap	YES		YES	
LaHabra Insul-Flex				YES
LaHabra Insul-Flex Water Master		YES		YES
LaHabra Insul-Flex Water Master LCR	YES		YES	

# FINAL INSPECTION REPORT SUMMARY

## Inspections Made:

Project Name & Address:

\_\_\_\_\_  
\_\_\_\_\_

Applicator Name:

\_\_\_\_\_  
\_\_\_\_\_

The following Inspections were made and noted on the attached checklists:

	During Installation	Installed	Notes:
Material Storage			
Substrate			
Water-Resistive Barrier			
Drainage Medium			
Insulation Board Installation			
Base Coat & Reinforcing Mesh			
Finish Coat			
Sealants			
Flashings			

The following applications are outside the scope of this inspection guide:

1. Inspection of the building design and construction to determine the structural adequacy of the substrate wall in regard to the design negative wind loads imposed on it.
2. Expansion joints location and design other than those over expansion joints in the substrate or shown on the project drawings.
3. Expansion joint design other than as shown on the project drawings or as given in the project specifications.

To the best of my knowledge, work inspected was in accordance with the project specifications and product specifications. (In case of a discrepancy between the two, the third-party inspector shall have the design professional confirm in writing which documents apply.)

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## INSPECTION CHECKLIST

<b>Substrate</b>			
Installation Date:		Inspection Date:	
Ambient Air Temperature:		Wall Temperature:	
<input type="checkbox"/> Sheathing attached to framing	<input type="checkbox"/> Concrete and masonry	<input type="checkbox"/> Metal siding	<input type="checkbox"/> Metal lath **
Substates Specified:	Thickness:	Frame spacing:	
	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
1. Correct orientation			
2. Joints offset from corners of openings			
3. Edges supported by framing members			
4. Fastener type/ spacing per contract documents			
5. Fasteners overdriven			
6. Sound, plumb, true, in-plane, and free from all but minor irregularities			
7. Flat within ¼ inch in 4'-0" radius			
8. Clean, dry surface free from contaminants			
<b>Gypsum Sheathing</b>	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
10. Paper facing laps to the inside			
11. Paper attached firmly to core			
12. Glass-mat types coating outward			
<b>Wood Based</b>	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
13. Properly gapped at edges and ends			
** lath must be installed per ASTM C1063 and be backed by a solid continuous surface, either masonry or sheathing.			

<b>Flashings Installed Prior to the EIFS &amp; Prior to the Water Resistive Barrier Membranes</b>			
Flashings are supplied and installed by others. They are NOT a part of this inspection other than regarding the integration of the products. Inspection of flashing is limited to determination that it has been installed and that it has no readily observable discontinuities.			
Inspection Date:			
Water Resistive Barrier Membrane Manufacturer & Product Name:			
Water Resistive Barrier Installation Locations:			
Metal Flashing Material:			
	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
14. Flashings that will be counter-flashed by the EIFS are to be installed prior to the EIFS Flashing Installation Locations			
15. Flashing over window heads			
16. Flashing between the bottom edge of the EIFS and a dissimilar wall covering material immediately below it.			
17. Flashing under the sills of windows where the windows are installed prior to the EIFS			
18. Roof/wall flashings where the wall is above the roof and the lower edge of the EIFS terminates near the roof			
19. Flashing at openings installed per contract documents			
20. Roof wall intersection diverters are installed			

<b>Water Resistive Barrier Coating</b>			
Installation Date:		Inspection Date:	
Ambient Air Temperature:		Wall Temperature:	
Product Used:		Joint Tape Used:	
Approximate coverage per 5 gallon pail:			
	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
21. Delivered to the job site in original, unopened containers. Stored in a cool, dry location, out of sunlight, protected from weather and damage.			
22. Minimum temp. 40°F			
23. Joint reinforced with applicable product at sheathing joints, inside and outside corners, exposed edges at terminations			
24. Reinforcement material embedded in accordance with installation instructions			
25. Applied to the entire surface of the substrate to a uniform nominal thickness			
26. Coverage Rate or thickness:			
27. Laps onto all tracks/flashing:			
28. If flashing not installed during inspection, application of Water Resistive Barrier Coating and/or compatible materials must be used to create positive drainage.			

<b>Water Resistive Barrier (Sheet Membrane)</b>			
Installation Date:		Inspection Date:	
Product Used:			
	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
29. Water Resistive barrier installed and lapped horizontally in a weatherboard fashion			
30. Horizontal Overlap per Manufacturers Instructions:			
31. Vertical Overlap per Manufacturers Instructions:			

<b>Drainage Medium</b>						
Installation Date:				Inspection Date:		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drainage Mat	Tyvek Stuccowrap	Metal/Plastic Lath (Teifs only)	Parex Water Master EPS	Teifs Drainboard	Teifs Channelboard	El Rey Grooved Board
				<b>Yes</b>	<b>No</b>	<b>Notes:</b>
32. Installed according to contract documents						

<b>Backwrap Mesh</b>			
Installation Date:		Inspection Date:	
	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
33. Backwrap installed to the substrate at all system terminations except at foundation terminations that have a vented track.			

<b>Insulation Board</b>						
Installation Date:				Inspection Date:		
Ambient Air Temperature:				Wall Temperature:		
<input type="checkbox"/> Flat EPS	<input type="checkbox"/> Teifs Drainboard	<input type="checkbox"/> Teifs Channelboard	<input type="checkbox"/> Parex Water Master	<input type="checkbox"/> Teifs Drainboard	<input type="checkbox"/> Teifs Channelboard	<input type="checkbox"/> El Rey Grooved Board
Thickness:				Name of Adhesive:		
EPS Supplier:				Fastener Manufacturer:		
Notched trowel dimensions:				Fastener Type/Length:		
<input type="checkbox"/> Adhesive Attachment		<input type="checkbox"/> Mechanical Attachment				
<input type="checkbox"/> Expanded polystyrene		<input type="checkbox"/> Polyisocyanurate			<input type="checkbox"/> Extruded polystyrene (XPS)	
				<b>Yes</b>	<b>No</b>	<b>Notes:</b>
34. Delivered to the job site in original, unopened containers. Stored in a cool, dry location, out of sunlight, protected from weather and damage						
35. Boards installed with long edges oriented horizontally (EPS only)						
36. Boards installed in a running bond with vertical joints staggered						
37. Board joints tightly butted						
38. Board joints offset from sheathing board joints						
39. Board joints at all inside and outside corners are staggered and interlocked						
40. Board terminates a minimum of above finished horizontal surfaces as indicated on drawings						
41. Expansion Joints backwrapped						
42. Minimum thickness of FLAT insulation board at base of aesthetic reveals is 3/4 inch						
43. Minimum slope on horizontal areas						
44. 100% of insulation board (EPS) sanded flat						
45. Slivers of insulation board/foam spray installed in insulation board gaps where required						
<b>ADHESIVE ATTACHMENT</b>						
				<b>Yes</b>	<b>No</b>	<b>Notes:</b>
46. Adhesive suitable for substrate type						
47. Mixed according to mixing proportions						
48. Lump free Type I and/or II portland cement						
49. Clean potable water						
50. Notched trowel dimensions						
51. Notched trowel or ribbon and dab						
52. Drainage systems run in vertical ribbons						
<b>MECHANICAL ATTACHMENT</b>						
				<b>Yes</b>	<b>No</b>	<b>Notes:</b>
53. Fasteners installed into framing members or nailable substrate						
54. Proper type and length for framing/sheathing						
55. Corrosion resistant						
56. Washer plates flush with surface of insulation board						
57. Fasteners overdriven						

<b>Base Coat and Reinforcing Mesh</b>			
Installation Date:		Inspection Date:	
Ambient Air Temperature:		Wall Temperature:	
Name of Base Coat:		Name of Reinforcing Mesh:	
Amount of water added to each pail:		Mixing Proportions:	
	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
58. Products delivered to the job site in original, unopened containers. Stored in a cool, dry location, out of sunlight, protected from weather and damage			
59. Surface of insulation board is clean, dry, flat and all sanding debris is removed			
60. There is no yellowing of insulation board (EPS) from extended exposure			
61. Damaged insulation board replaced			
62. Lump free Type I and/or II portland cement used			
63. Clean potable water used			
64. Corners of all openings have "butterfly" pieces of reinforcing mesh			
65. High Impact Mesh installed where specified			
66. Mesh patches over abutting ends of vented track at foundations			
67. Edges of High Impact Mesh butted tightly			
68. High Impact Mesh totally embedded in base coat			
69. Reinforcing mesh overlapped a minimum of 2-1/2" at all edges			
70. Reinforcing mesh not lapped within 8" of any corner			
71. Reinforcing mesh continuous through aesthetic reveals			
72. Reinforcing mesh is totally embedded with no mesh color visible			

<b>Finish Coat</b>			
Installation Date:		Inspection Date:	
Ambient Air Temperature:		Wall Temperature:	
Name of Finish:		Primer (if applicable):	
Amount of water added to each pail:		Spray or trowel applied:	
Approximate coverage per 5 gallon pail:			
	<b>Yes</b>	<b>No</b>	<b>Notes:</b>
73. Base coat free of irregularities			
74. Base coat clean, dry, free of dust, dirt efflorescence or other contaminants			
75. Base coat has no reinforcing mesh color showing			
76. Finished mixed in accordance with Instructions			
77. Finish applied to proper thickness			
78. Finish not installed on surfaces to receive sealant (joints at terminations, expansion, etc.)			
79. Texture and color consistent			
80. Cold joints apparent			

