

INSULATION SYSTEM AND COVER PANEL GUIDELINES							
PANEL TYPE	INSULATION ATTACHMENT			APPROVED BITEC MODIFIED BITUMEN MEMBRANE APPLICATION			
	FASTENERS	LOW RISE FOAM	HOT ASPHALT	HOT ASPHALT	PMA-186 ADHESIVE	TORCH APPLIED	SELF-ADHESIVE
ASPHALTIC COVER PANEL	Requires special review and pre-approval by BITEC.	Approved	Approved	Approved with Type III hot asphalt only.	Approved	Approved	Approved
CEMENT ROOF PANELS	Approved	Approved	Approved	Approved with Type III or IV hot asphalt. Priming is required.	Approved	Approved; Priming is required.	Approved; Prime with IM-Prime.
EXPANDED POLYSTYRENE (EPS) (minimum 1.15 pcf density)	Must be simultaneously fastened with an approved cover panel.	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel Maximum thickness of 6 inches per layer. 	Not approved	An approved cover panel is required to be mechanically attached or adhered with low-rise foam adhesive.	An approved cover panel is required to be mechanically attached or adhered with low-rise foam adhesive.	Must have an approved cover panel mechanically attached or adhered with low-rise foam adhesive. A flame barrier underlayment, secondary cover panel with staggered joints, or taping of the cover panel joints is also required.	An approved cover panel is required to be mechanically attached or adhered with low-rise foam adhesive.
EXTRUDED POLYSTYRENE (XEPS)	Must be simultaneously fastened with an approved cover panel.	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel and maximum thickness of 6 inches per layer. Panel surface must be planed/textured 	Not approved				
GYPSUM-BASED COVER PANELS <ul style="list-style-type: none"> DENSDECK®, DENSDECK PRIME®, DEXCELL®, DEXCELL FA® GLASS MAT ROOF BOARD SECUROCK® GYPSUM FIBER ROOF PANELS 	Approved	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel 	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel Membrane application method limited to torch, cold adhesive or self-adhesive. 	Approved in Type III asphalt only when panels are mechanically attached or applied in low-rise foam adhesive.	Approved	Approved	Approved; Prime with IM-Prime.
HIGH-DENSITY POLYISOCYANURATE	Approved	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel 	<ul style="list-style-type: none"> Approved Maximum 4' x 4' panel 	Not approved	Approved	Not approved	Approved; Prime with IM-Prime.
HIGH-DENSITY WOOD FIBERBOARD	Approved	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel 	<ul style="list-style-type: none"> Approved Maximum 4' x 4' panel 	Approved in Type III or IV asphalt	Approved	Not approved	Approved; Prime with IM-Prime.
POLYISOCYANURATE	Approved	Approved Maximum 4' x 4' panel	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel 	An approved cover panel is required.	An approved cover panel is required.	An approved cover panel is required.	An approved cover panel is required.
PERLITE	Approved	Not approved	Approved	Approved	Approved	Approved for high density perlite with factory applied coating.	Not approved

INSULATION SYSTEM AND COVER PANEL GUIDELINES (continued)

PANEL TYPE	INSULATION ATTACHMENT			APPROVED BITEC MODIFIED BITUMEN MEMBRANE APPLICATION			
	FASTENERS	LOW RISE FOAM	HOT ASPHALT	HOT ASPHALT	PMA-186 ADHESIVE	TORCH APPLIED	SELF-ADHESIVE
OPTIM-R® VACCUUM INSULATED PANELS	Not approved	Approved	<ul style="list-style-type: none"> Not approved 	An approved cover panel is required to be adhered with low-rise foam adhesive.	Must have an approved cover panel adhered with low-rise foam adhesive.	Must have an approved cover panel with taped joints; or two cover panels with joints staggered, adhered with low-rise foam adhesive.	An approved cover panel is required to be adhered with low-rise foam adhesive.
ROCKWOOL TOPROCK DD PLUS®	Approved	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel 	Approved <ul style="list-style-type: none"> Maximum 4' x 4' panel 	Approved	Approved	Approved	Approved; Prime with IM-Prime.

SBS PRODUCTS

Duration	TORCH APPLIED		PMA-186 ADHESIVE		HOT ASPHALT		SELF-ADHESIVE	
	BASE	CAP	BASE	CAP	BASE	CAP	BASE	CAP
10 years	Elasto PE 3 P/P	SPM-4T	FS-2H, FS 2H FR, PS-2H, or SPS-3H	SFM-3.5H, SPM-3.5H, or SFM- 3.5H FR <i>(or any cap sheets listed below)</i>	FS-2H, FS 2H FR, PS-2H, or SPS-3H	SFM-3.5H, SPM-3.5H, or SFM- 3.5H FR <i>(or any cap sheets listed below)</i>	Imperflex USA (Film surface for self-adhesive or torch applied cap sheets.)	Imperflex MSA, SFM-3.5H or 3.5H FR <i>(or any cap sheets listed below)</i>
15 or 20 years				SFM-4H, SFM 4H FR, SFM-4H 250, SPM-4H, or SPM-4T SPS-3H (with surfacing or coating)		SFM-4H, SFM 4H FR, SFM-4H 250, SPM-4H, or SPM-4T SPS-3H (with surfacing or coating)		SFM-4H or 4H FR SPM-3.5H SPM-4H or 4H-250 SPM-4T SPM-4.5T SPS-3H (with approved surfacing or coating)
25 years				SPM-4.5T		SPM-4.5T		

APP PRODUCTS

Duration	TORCH APPLIED	
	BASE	CAP
10 years	FA-2T	APS-4T
15 or 20 years		APM-4T
25 years		APM-4.5T

NOTE: Warranty coverage is offered with no penal sum (i.e. "no dollar limit" / "NDL") for leaks due to Workmanship defects on Commercial projects only, which must be installed per BITEC standard specifications and details by a BITEC Certified Roofing Contractor. Commercial projects are eligible for "full system" coverage provided the insulation, cover panel, fasteners, and insulation adhesive (as applicable) are purchased from BITEC.

Residential projects are limited to 10-year Materials only coverage.