



ENGINEER

EVALUATE

TEST

CONSULT

CERTIFY

**ROOF SYSTEM ASSESSMENT REPORT
DYNAMIC UPLIFT RESISTANCE PER CSA A123.21**

CLIENT:	The Garland Company	TEST DATE:	2018-01-10
DOCUMENT NO.	GRL-PARS-1.3	PUBLICATION DATE:	2018-02-27
TEST PANEL NO.	GRL-D3	REVISION NO.	R0
SYSTEM TYPE:	B	REEVALUATION DATE:	2021-02-28

PARTIALLY ADHERED ROOFING SYSTEM (PARS) SUMMARY

PERFORMANCE⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (with SF of 1.5)
	3.3 kPa (69 psf)	2.2 kPa (46 psf)

COMPONENT	ALLOWABLE PRODUCTS	BY	
CAP PLY⇒	StressPly IV, StressPly IV Mineral, StressPly IV UV Mineral, StressPly IV Plus, StressPly IV Plus UV Mineral or StressPly IV Plus Mineral	Garland	
ATTACHMENT:	torch-applied		
BASE PLY⇒	HPR Torch Base	Garland	
ATTACHMENT:	torch-applied		
INSULATION, TOP LAYER⇒	Min. 0.5" SECUROCK Gypsum-Fiber Roof Board	U.S. Gypsum	
ATTACHMENT:	hot asphalt	25-30 lbs/square generic	
	InsulLock HR	ribbons max. 12" o.c. Garland	
INSULATION, BASE LAYER⇒	One or more layers; top layer min. 2" thick		
	ACFoam II	Atlas Roofing	
	H-Shield	Hunter Panels	
	ENRGY 3	Johns Manville	
ATTACHMENT:	1 per 2.9 ft ² (11 parts per 4x8 ft board)		
		Dekfast #14 with Dekfast Galvalume Steel Hex Plate	SFS Intec
		OMG Roofgrip #14 with OMG 3 in. Galvalume Steel Plate or OMG AccuTrac Plate	OMG
		TRUFAST #14 HD with TRUFAST 3" Metal Insulation Plate	Altenloh, Brinck & Co.
VAPOUR BARRIER⇒	Grip-Rite Titan™ LD or other kraft-paper or polyethylene film	Various	
ATTACHMENT:	loose-laid		
THERMAL BARRIER⇒	(Optional) Thermal barrier of any specified type or thickness	Various	
ATTACHMENT:	loose-laid, adhered or mechanically attached		

ROOF SYSTEM ASSESSMENT REPORT, DYNAMIC UPLIFT RESISTANCE PER CSA A123.21

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**NEMO|etc.**

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COMPONENT	ALLOWABLE PRODUCTS	BY
DECK⇒	Minimum 22 ga. type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a yield strength of 40 ksi (275 MPa), or alternate steel deck providing the fastener withdrawal resistance noted below	Various
FASTENER POINT-LOAD⇒	885 N (199 lbf)	

END OF REPORT