

Hurricane Shake Roofing

For more information click on the links below.

<http://tekroofingsystems.com/products/hurricane-metal-shake/>

http://www.metalroofingexperts.com/types_of_metal_roofs/hurricane-metal-shake-tek-industries/

Impact #	Impact area	Depression on depth	Observations	Results
1	Top left seam where overlap occurs	0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
2	Top left seam where overlap occurs	+0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
3	Center Seam	0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
4	Center Seam	+0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
5	Bottom left seam	0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
6	Bottom left seam	+0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
7	Top center seam	0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS

Impact #	Impact area	Depression on depth	Observations	Results
8	Top center seam	+0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
9	Center panel	0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
10	Center panel	+0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
11	Bottom right corner panel	0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS
12	Bottom right corner panel	+0.125"	No visible evidence of tearing, cracking, fracturing, splitting, rupture, crazing, or other evidence of opening in the prepared roof covering layer.	PASS

HURRICANE® Metal Shake ASTM E1592 Testing Results

ASTM E1592-12	Deflection		
Uplift Pressure	Indicator (Inches)		
	1	2	3
-10 PSF	0.1	0.1	0.11
-20 PSF	0.18	0.18	0.19
-30 PSF	0.29	0.3	0.3
-40 PSF	0.41	0.43	0.42
-50 PSF	0.54	0.54	0.54
-60 PSF	0.65	0.65	0.66
-70 PSF	0.77	0.76	0.78
-80 PSF	0.89	0.87	0.91

ASTM E1592-12		Deflection	
-90 PSF	1.01	0.98	1.05
-100 PSF	1.16	1.12	1.2
-110 PSF	1.23	1.19	1.27

ASTM E1592-12		Permanent Set		
Uplift Pressure	Indicator (Inches)			
	1	2	3	
-10 PSF	0.02	0.01	0.01	
-20 PSF	0.04	0.04	0.04	
-30 PSF	0.06	0.07	0.06	
-40 PSF	0.08	0.09	0.08	
-50 PSF	0.11	0.11	0.1	
-60 PSF	0.12	0.13	0.12	
-70 PSF	0.15	0.14	0.15	
-80 PSF	0.15	0.17	0.16	
-90 PSF	0.16	0.18	0.17	
-100 PSF	0.18	0.19	0.18	
-110 PSF	0.21	0.2	0.21	