



STINGER

WIND TEST

ASTM D3161

Tested without shingles to prove the holding power of STINGER collated caps.

STANDARD TEST METHOD FOR WIND-RESISTANCE OF STEEP SLOPE ROOFING PRODUCTS

TESTING AND EVALUATION METHOD

Each test evaluates the fastening methods for windspeeds of 30, 50, 70, 90, 110mph, and 150mph provided that the test durations are successfully achieved. The 30, 50, and 70 mph speeds were held for 20 minutes each, while 90 and 110 mph are each held for 30 minute observation periods. 150mph speed was held for 60 minutes.

Test #	Fastening Method	Highest Achieved Windspeed Interval (mph)	Results
1	A-11 3/8" x 3/8" Coated Staples fastened using STINGER Hammer Tacker	50	Fail
2	1" Electro Galvanized Roofing Nails without Tin Tabs fastened by hand	70	Fail
3	1" STINGER Cap Nails fastened using the STINGER CN100B pneumatic Cap Nailer - 1" Diameter Caps	150	PASS!
4	7/8" STINGER Cap Staples using STINGER CS150B pneumatic Cap Stapler - 1" Diameter Caps	150	PASS!
5	1" Electro Galvanized Roofing Nails with 1-5/8" Tin Tabs fastened by hand	110	PASS!

CN100B CAP NAILER



CS150B CAP STAPLER



Testing was carried out in accordance with ASTM D3161/D3161M-16a, Standard Test Method for Wind Resistance of Steep Slope Roofing Products.