NRCA receives an approval listing

by **Mark S. Graham**

NRCA has obtained an approval listing for wind resistances of select contractor-fabricated edge metal flashing details. The research provides quantitative data regarding wind resistances of specific contractor-fabricated edge metal flashings and basis for comparison of contractor fabricated flashings and proprietary flashing systems.

Testing

Specimens of raised-profile perimeter fascia, gravel stop and coping were fabricated according to the guidelines provided in *The NRCA Roofing and Waterproofing Manual, Fifth Edition*. The specimens were tested by Intertek Testing Services/Warnock Hersey (ITS), Middleton, Wis.

Testing took place according to ANSI/SPRI ES-1-98, "American National Standard Wind Design Standard for Edge System Used with Low Slope Roof Systems." The standard addresses tests of roof edge termination for ballasted and mechanically attached membrane roof systems and pull-off resistances of edge flashings and copings. The specific test flashing configurations and test results are provided in the figure.

Tested flashing configurations and their results

Configuration	NRCA detail number*	Metal	Wind resistance**
Raised perimeter-edge fascia (8 inch [200-mm] face)	BUR-2, BUR-21, MB 2 and MB 21	24-gauge (0.64 mm) galvanized steel	170 lbs/ft²*** (8.1 kPa)
		0.040-inch (1.02-mm) aluminum	140 lbs/ft² (6.7 kPa)
Gravel stop (8 inch [200-mm] face)	BUR 3, MB 3, TP-3, TP-21, TS-3, TS-21, SPF-2 and SPF 3	24 gauge (0.64-mm) galvanized steel	210 lbs/ft² (10.1 kPa)
		0.040-inch (1.02-mm) aluminum	140 lbs/ft² (6.7 kPa)
Coping (8 inches [200 mm] wide)	BUR-1, MB-1, TP-1, TS-1 and SPF-1	24-gauge (0.64-mm) galvanized steel	310 lbs/ft² (14.8 kPa)
		0.040-inch (1.02-mm) aluminum	250 lbs/ft² (12 kPa)
Coping (12 inches [300 mm] wide)		24-gauge (0.64-mm) galvanized steel	190 lbs/ft² (9.1 kPa)
		0.040-inch (1.02-mm) aluminum	160 lbs/ft² (7.7 kPa)
		22-gauge (0.79-mm) galvanized steel	290 lbs/ft² (13.9 kPa)
		0.5-inch (1.3-mm) aluminum	300 lbs/ft² (14.4 kPa)

* NRCA detail numbers are based on designations in *The NRCA Roofing and Waterproofing Manual, Fifth Edition*.
** Wind resistance is determined according to ANSI/SPRI ES-1-98.
*** Pounds per square foot

NRCA's test results of flashing configurations.

Approval listing

NRCA's approval listing provides a means to substantiate building code compliance based on quantifiable performance attributes.

NRCA's listing currently is described in the Directory of Listed Products section on ITS' Web site (www.etlsemko.com) and will be included in ITS' *2001 Directory of Listed Products*.

NRCA contractor members can be sublisted in NRCA's ITS approval listing, which will allow them to fabricate and install edge metal flashings in compliance with NRCA's approval listing.

NRCA contractor members interested in sublisting their edge metal flashings should contact me at (847) 299-9070, Ext. 211; e-mail mgraham@nrca.net; or fax (847) 299-1183.



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