

Non-Fading Green

Non-Fading Green Slate from the Wells Northeast Quarry was tested per ASTM specifications. A summary of the results is as follows:

Property	Value	ASTM Test Method	ASTM Grade
Modulus of Rupture	611 lbs. at 0.253 in	C-120 - 06	S1
Absorption	0.163 %	C-121-06	S1
Weather Resistance	.0019 in.	C-217 - 94	S1

1. Water Absorption, C121-06, 0.194% (ASTM max. For S1 slate is 0.25%).
2. Modulus of Rupture, C120-06, 580 lbs, Ave. thickness 0.278 in. (ASTM min. For S1 slate is 575 lbs)
3. Weather Resistance, C217-94, 0.0010 in. (ASTM max. For S1 slate is 0.002 in.)

Tables 1,2 and 3 list the individual tests. From the specimens tested, this variety of roofing slate does qualify as a S1 slate.

Modulus of Rupture tests were conducted on a Tinius Olsen Testing Machine calibrated October 2018. The Weather Resistance tests were conducted using the hand scraping method. Thickness measurements were taken at three (3) different locations along the scrape track. The average depth of softening was recorded.

AMBER CONSULTING COMPANY

NonFading Green - Wells Northeast Quarry

TABLE 1 - WATER ABSORPTION

Average 0.194%

Specimen No.	Absorption %
1	0.167
2	0.205
3	0.217
4	0.178
5	0.200
6	0.195

TABLE 2 - MODULUS OF RUPTURE

Average 580lbs 0.278 in

Specimen No.	Load lbs.	Thick in
1	614	0.282
2	485	0.299
3	550	0.272
4	780	0.295
5	510	0.267
6	510	0.270
7	620	0.265
8	535	0.269
9	580	0.278
10	616	0.283

TABLE 3 - WEATHER RESISTANCE

Average 0.0010 in.

Specimen No.	Depth of Softening in.
1	0.0010
2	0.0004
3	0.0005