

STATE BUILDING CODE INTERPRETATION FORM	STATE BUILDING COMMISSION One Capitol Hill Providence, RI. 02908-5859 (401) 222-3033	Code Interpretation No. <input type="text"/>
		Code Section <u>1504.8</u>
		Date of Staff Preparation <u>2-3-2012</u>

INQUIRER	Thomas Furey	TITLE	Owner
JURISDICTION / ORGANIZATION		Furey Roofing & Construction Co., Inc	

ADDRESS	150 Carolina Ave	TOWN	Providence	STATE	RI	ZIP	02905
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<input checked="" type="checkbox"/>	BUILDING CODE	<input type="checkbox"/>	1&2 FAMILY CODE	<input type="checkbox"/>	ELECTRICAL CODE
<input type="checkbox"/>	MECHANICAL CODE	<input type="checkbox"/>	PLUMBING CODE	<input type="checkbox"/>	ENERGY CODE
<input type="checkbox"/>	ACCESSIBILITY CODE	<input type="checkbox"/>	FUEL AND GAS CODE	<input type="checkbox"/>	OTHER

QUESTION:

There is a substantial difference of opinion and interpretation as to the use of gravel or ballasted roof systems and their installation relating to new and or resurface and repair of existing roof surfaces.

RESPONSE:

Beginning in Chapter 15 Roof Assemblies and Rooftop Structure it is necessary to see the definitions in **Article 1502** for :

AGGREGATE. In roofing, crushed stone, crushed slag or water-worn gravel used for surfacing for roof coverings.

BALLAST. In roofing, ballast comes in the form of large stones or paver systems or light-weight interlocking paver systems and is used to provide uplift resistance for roofing systems that are not adhered or mechanically attached to the roof deck.

And 1609.2 for **HURRICANE-PRONE REGIONS.** Areas vulnerable to hurricanes defined as:

1. The **U.S. Atlantic Ocean** and Gulf of Mexico **coasts where the basic wind speed is greater than 90 mph** (40 m/s)

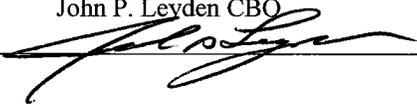
With these definition in consideration the next key for permitted roof surfacing materials relative to the inquiry is determined by **SECTION 1504 PERFORMANCE REQUIREMENTS 1504.8 Aggregate.**

1504.8 Aggregate used as surfacing for roof coverings and aggregate, gravel or stone used as ballast **shall not be used on the roof of a building located in a hurricane-prone region as defined in Section 1609.2,** or on any other building with a mean roof height exceeding that permitted by Table 1504.8 based on the exposure category and basic wind speed at the site.

PER 1508.4 above: Aggregate and or Ballast of any kind **SHALL NOT BE USED in the state of RI.** The reference to Table 1504.8 is not to be considered due to the location of the "Hurricane Prone Region" encompassing the entire State of Rhode Island; that being on the Atlantic Coast with all wind speeds exceeding 100 MPH,

Relating to what materials and methods are to be used for repair of replacement I would refer to code Article 1510 Reroofing

1510.1 General. Materials and methods of application used for recovering or replacing an existing roof covering shall comply with the requirements of Chapter 15. The requirements of reroofing are therefore the same as listed above in relation to the requirements of aggregate and ballast which are disallowed due to 1609.2

PREPARED BY: Warren J. Ducharme RA CBO	STATE BUILDING COMMISSIONER John P. Leyden CBO 	DATE: 2-3-2012
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