



**New
Riverside
Ochre**

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PRODUCT BULLETIN

RAD BAN™

RAD BAN™ is a heavy aggregate designed for radiation shielding concrete and all other heavy aggregate applications. **RAD BAN™** meets the requirements of ASTM Specification C33/C33M-13 (Standard Specification for Concrete Aggregates) and ASTM Specification C637-14 (Standard Specification for Aggregates for Radiation-Shielding Concrete).

PHYSICAL PROPERTIES

Chemical Name	Barium Sulfate
Formula	BaSO ₄
Common Name	Barite, Barytes
Specific Gravity	min. 4.3

TYPICAL MIX DESIGN

Type I Portland Cement	423 lbs/yd ³
Water	270 lbs/yd ³
RAD BAN™	5,450 lbs/yd ³
Admix (Water Reducer)	23.5 oz/yd ³
Wet Weight per ft ³	220 – 230 lbs
Slump	4 – 6 inches
Design Air Content	1%

PRINCIPLE USES

- Hospital Construction or Renovation
- Radiation Therapy Suites
- University Nuclear Research Facilities
- Commercial Nuclear Power Plants
- Nuclear Waste Containment Sites
- Military Nuclear Refueling Facilities
- Counterweights for Bridge Construction
- Offshore Pipeline Stabilizer
- Heavy Aggregate

WARRANTY DISCLAIMER

The facts stated and recommended regarding NRO products are based on our own research and the research of others, and are believed to be accurate. NRO products are sold without WARRANTY, expressed or implied, and on the condition that the purchasers conduct their own tests in order to determine the suitability of such for their particular purpose. The user is solely responsible for the use and information regarding NRO products. NRO disclaims any warranty of merchantability or fitness of this product for any particular purpose.

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