



What is Class II Quarzitic Sandstone?

RUSSELL STONE PRODUCTS

Russell Stone Products is proud to announce that our sandstone in recent testing has satisfied the physical requirements for a Class 2 Quarzitic Sandstone. That presents the question that most people ask;

What is a Class II Quarzitic Sandstone?



Our Class II Quarzitic Sandstone contains a higher proportion of quartz grains than many other Class I Sandstones and delivers a performance closer to that of a Quartzite or Granite than a normal sandstone in all applications. The weathering and durability of our Class II far exceeds your typical Class I sandstones. We offer a high level of performance in a wide range of colors. The weathering and durability is evident at the Philadelphia Museum of Arts steps that have withstood the elements for 100 years.



The high strength of our Class II allows for a far wider performance range for design applications than a regular sandstone. It is much stronger in flexure and can perform in more strenuous applications and is evident in the many railroad

bridges that have been built with our stone. The Rockville bridge in Harrisburg Pa is a great example, It was constructed in the late 1800's and has had numerous trains travel daily for over 100 years and is still viable today.



The heavy quartz grain composition of our stone gives our products an abrasion resistance far higher than regular sandstones, so when used in paving situations it will resist wear. Furthermore, it has a far greater resistance to damage from de-icing salts than Class I products. Again, this is evident in the steps at the Philadelphia Museum of Arts whose steps have been salted numerous time's per day in the winter since the 1920's. They still look like they were recently installed, a testament to our Class II Sandstone.

Physical requirements published by ASTM for stone used in paving areas with heavy foot traffic do not recommend the use of Class I Sandstones.



Class II sandstone has a much lower absorption rate and higher density than regular sandstone making it a much better choice for applications where freeze-thaw exposure may be a concern. Our Class II stone was used recently in the C & O Canal when replacing the original sandstone in several locks because of its weathering and durability. Last year it was used to replace the original stone in the Rideau Canal in Canada.



The compressive strength of our Class II Sandstone is two to three times as strong as the majority of Class I sandstone materials and performs at nearly the level expected of a Quartzite or Granite. As such, the design applications for Class II Sandstones are far wider than a typical sandstone.

When compressive strength is needed for a project our Class II Sandstone can perform for you at a fraction of the cost of Granite.

The Class II testing for ASTM C616 Physical Property Evaluations of Natural Stone was performed by Intertek labs in York Pennsylvania. The test reports are available to review and download by going to our website at www.Russellstoneproducts.com

Your Imagination is your only Limitation!

Remember, no project is too big or too small. We can handle your project of any size with our world renowned team. Call us today with questions or ideas you might have for any upcoming projects.

Let us help you get your next project underway.

Dan Russell &

The Russell Stone Product Family

a WBE Certified Business

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