

PROJECT PROFILE

WOOSTER ELEMENTARY SCHOOL



PROJECT INFORMATION

Wooster Elementary School in the Greenbrier School District is a shining example of sustainability. It is the recycling center for the community and a learning environment for its students and parents on green building. As the first school in Arkansas to achieve a LEED® for Schools Silver certification, Wooster educates while enjoying lower operating costs through energy efficiency. Seeking LEED certification, Jackson Brown King Architects designed learning spaces with cutting-edge technology to lower energy costs. A combination of imprinted concrete and Grasscrete was chosen for the exterior walkways and play area. The Grasscrete is used to soften the space with grass and still allow for heavy foot traffic. Bomanite Licensee, [Bomanite of Tulsa](#) installed several thousand feet of Imprinted concrete with the Bomacron Coquina Texture, alternating with blocks of Grasscrete. The voids were filled with grass plugs.

Grasscrete attributes to LEED credits through reduction of Heat Islands, Water Efficient Landscaping and Stormwater Management. The Bomanite Imprinted Concrete uses Coquina Color Hardener that has an Albedo or Solar Reflectance of 0.5 - 0.6, falling within the LEED rated projects requiring an Albedo of >0.3 of surfaces requiring adequate Solar Reflectance.

Wooster Elementary School, completed in September 2008, demonstrates Greenbrier's commitment to provide an environment for its students to become life-long learners with an emphasis on green living.

PROJECT DETAILS

LOCATION

9 Church Circle | Greenbrier, AR 72058

PROJECT DESIGNER

Jackson Brown King Architects, Inc.

GENERAL CONTRACTOR

Dayco Construction, Inc.

INSTALL COMPLETED

July 2008

SQUARE FEET

6,912 Grasscrete 15,800 Imprinted Concrete

BOMANITE SYSTEMS

Grasscrete - Single Use Molded Pulp Former - Partially Grassed
Imprint Systems - Coquina Texture with Coquina Color Hardener and Sand Release Agent

NAME OF BUSINESS

LEED Certification Learning Space

BOMANITE LICENSED CONTRACTOR

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Wooster Elementary School - Grasscrete Partially Concealed System with Bomanite Imprinted Concrete



Wooster Elementary School - Aerial View of Grasscrete Installation



Wooster Elementary School - Exterior Walkway with a combination of Grasscrete and Imprinted Concrete



Wooster Elementary School - Grasscrete Sub Base Prep



Wooster Elementary School - Grasscrete Edge Forming and Prep



Wooster Elementary School - Grasscrete Voids being filled with soil and seed



Wooster Elementary School - Grasscrete and Bomanite Imprinted Concrete



Wooster Elementary School - Grasscrete with Bomanite Imprinted Concrete - Coquina Texture



Wooster Elementary School - Grasscrete Voids - Initial Landscaping

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Wooster Elementary School - Finished landscaping with Partially Concealed Grasscrete System