



Dakotah! Sport and Fitness Ice Arena

Location:

Dakotah! Sport and Fitness
Prior Lake, MN

Contractor:

Woody's Creative Landscaping
St. Cloud, MN

Project:

Sidewalk
14,000 Sq Ft

Solution:

VAST Composite
Permeable Pavers

Completed:

2009



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Dakotah! Ice Arena Goes Green with VAST Composite Permeable Pavers

When the Shakopee Mdewakanton Sioux Community (SMSC) decided to construct an ice arena adjacent to Dakotah! Sport and Fitness, its premier fitness facility, the SMSC committed to ensuring that it would be state-of-the-art and environmentally friendly. The 72,000 square foot Dakotah! Ice Center contains two NHL-size ice sheets with surrounding seamless glass dasher boards to protect spectators during hockey games.

In addition to a 32,648 square foot green roof, the arena's stormwater management features include a rain garden and a 14,000 square foot installation of VAST Composite Permeable Pavers along the parking lot center aisle and at the entrance to the arena. The SMSC chose VAST over conventional concrete permeable pavers and other pervious pavements because of its recycled content, durability, appearance and performance.



The 14,000 Square Foot Installation of VAST Composite Permeable Pavers for Stormwater Management at the Shakopee Mdwakanton Sioux Community's Ice Arena Kept 7,000 Tires and 210,000 Plastic Containers Out of U.S. Landfills

VAST Composite Permeable Pavers reduce water runoff into storm drains and decrease pollutants by allowing rainwater to permeate down through the surface of building sites. With an independently tested infiltration rate of more than 400 inches per hour when installed with an open graded base, VAST Composite Permeable Pavers decrease the rate and volume of rain runoff from parking lots, driveways, sidewalks and patios. Like all VAST composite masonry products, VAST Permeable Composite Pavers are made from up to 95 percent recycled scrap automobile tires and gallon-size plastic containers. By using VAST for the Ice Arena, it took about 10 working days to complete, and the SMSC kept 7,000 tires and 210,000 plastic containers out of U.S. landfills.

VAST Enterprises, LLC

VAST applies its patented technology to transform recycled materials into a new resource for green building: composite masonry. VAST composite products — including landscape pavers, permeable pavers for stormwater management, deck pavers and thin brick — offer an engineered alternative to molded concrete and clay brick. Award-winning VAST pavers deliver rich colors, superior slip resistance and unbeatable strength at one-third the weight of concrete pavers.

Made from 95 Percent Recycled Materials

VAST helps projects earn LEED® certification easier than any other pavement. Every 5,000-square foot VAST landscape installation keeps 2,500 scrap automobile tires and 75,000 plastic containers out of U.S. landfills.



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