

Driveway At Historic Mansion Paved With SmartMix

Recycled rubber paving mix helps make driveway double green, with recycled material and cost savings

Todd Ondrick of Ondrick Materials learned a thing or two from the 2015 World of Asphalt in Baltimore, MD where Liberty Tire Recycling provided education and training on new technologies using recycled tire rubber in asphalt paving applications.

Four years later, an opportunity appeared for a commercial paving project for a 300 mix ton driveway and parking area specified to use a porous mix with latex modification and fibers. To meet the paving specifications and stay within budget for the historic project, Ondrick opted to go with a recycled material and selected SmartMix activated tire rubber.

“We were able to cut some cost of the mix by substituting activated tire rubber for the liquid latex,” Ondrick said.

Most importantly, the SmartMIX material maintained good results for both drain-down and crack resistance in the I-FIT crack test. The end result was rubber recycled from over 150 scrap tires being used in the mix to create a durable, well-draining surface that will stay richer and blacker over time from the carbon black and oils in the tire rubber. The porous mix also used 10 percent reclaimed asphalt pavement as part of the design, with 0.5 percent of the total binder coming from the reclaimed material.

The driveway project was part of a restoration of the historic Brewer-Young Mansion in Longview, MA, which was originally built in 1885. The site is now re-zoned for professional offices. It has been completely restored and is part of the MA historical building registry. Adding to its history, the site is now the first driveway using SmartMIX reacted rubber particle technology. It provides a lasting example of an easy and cost-effective way to use recycled tire rubber in asphalt paving projects, Ondrick said.

The Brewer-Young Mansion is an iconic, historic landmark in Longmeadow, Massachusetts that has been re-zoned for use as professional offices. It was completely restored and modernized and ready for tenants in spring/summer 2019. The property overlooks the town green, features easy access to I-91, and is centrally located on Rte 5 at a convergence of main roads that receive the majority of traffic from multiple towns on a daily basis. There is ample on-site parking. This one-of-a-kind property offers a rare opportunity for discerning professional tenants to occupy newly renovated spaces in an exquisitely refined setting.

The Rev. Samuel Wolcott, composer of more than 200 Christian hymns, was the first to live there. Edward Brewer



The driveway at the Brewer-Young Mansion paved with SmartMix reacted tire rubber



bought it in 1901. Later the home was famously owned by Mary Ida Young. She and her husband, Wilbur, invented Absorbine and Absorbine Jr. liniments. W.F. Young, located in East Longmeadow, still makes Absorbine and other animal health products. ♦