

The Sustainability Benefits of AceBound UVR Resin Bound Surfacing

AceBound UVR resin bound surfacing is designed to align with sustainable development goals, offering a host of environmental, social, and economic benefits. Its innovative composition and performance make it an ideal choice for projects that prioritize eco-friendly solutions.

Here's a detailed look at its sustainable features:

- **Groundwater Recharge:** AceBound's permeable design allows rainwater to flow through its surface, recharging local groundwater levels. This process helps sustain water resources, especially in areas facing water scarcity, reducing dependency on artificial water systems.
- **Reduction in Urban Heat:** Permeable surfaces like AceBound contribute to cooling urban environments by allowing water to evaporate naturally from the ground. This helps mitigate the urban heat island effect, where dense, built-up areas retain heat, improving overall comfort and air quality.
- **Enhanced Durability and Longevity:** By preventing water pooling and reducing freeze-thaw cycles, AceBound surfaces minimize water-related damage and erosion. This durability extends the lifespan of pavements and reduces the need for frequent repairs or replacements, lowering resource consumption over time.
- **Erosion Prevention:** AceBound's permeability reduces surface water runoff, mitigating soil erosion and preserving the integrity of surrounding landscapes. This is especially beneficial for sloped areas and developments near water bodies.
- **Pollution Filtration:** As rainwater passes through the permeable surface, pollutants are naturally filtered out. This process helps improve the quality of water entering nearby rivers, lakes, and groundwater systems, contributing to healthier ecosystems.



- **Integration with Green Infrastructure:** AceBound surfaces complement sustainable landscaping solutions like rain gardens, bioswales, and porous planting beds. This integration creates visually appealing, environmentally friendly spaces that manage stormwater effectively and support local biodiversity.
- **Compliance with Environmental and Accessibility Standards:** AceBound UVR resin is CWA (Clean Water Act) compliant, ensuring effective stormwater management and reduced environmental impact. It is also ADA (American with Disabilities Act) compliant, supporting inclusivity by creating accessible pathways and surfaces for all users.
- **Plant-Based Resin Composition:** Over 50% of AceBound UVR resin is derived from sustainable, plant-based sources. This significantly reduces the product's reliance on fossil fuels and lowers its carbon footprint, making it a leader in green innovation.
- **Locally Sourced Aggregates:** AceBound utilizes naturally occurring aggregates sourced as close to the project location as possible. This practice minimizes transportation emissions and supports regional industries while maintaining the high quality of the surfacing.
- **Incorporation of Recycled Materials:** AceBound surfaces can include recycled aggregates or materials, diverting waste from landfills and giving them a second life. This further reduces environmental impact and promotes a circular economy.
- **Support for Sustainable Development:** AceBound contributes to responsible land use and reduces strain on traditional drainage infrastructure. Its use supports sustainable urban planning by creating functional, eco-conscious spaces that benefit both people and the planet.
- **Aesthetic and Functional Versatility:** In addition to its environmental benefits, AceBound enhances the visual appeal of spaces with its customizable designs. Its seamless integration into both modern and natural landscapes makes it a versatile choice for sustainable projects.

By choosing AceBound UVR resin bound surfacing, contractors, architects, and planners can create resilient, eco-friendly projects that align with modern sustainability goals while delivering exceptional performance and aesthetic appeal.