

Transforming Waste into the Future of Noise Barriers

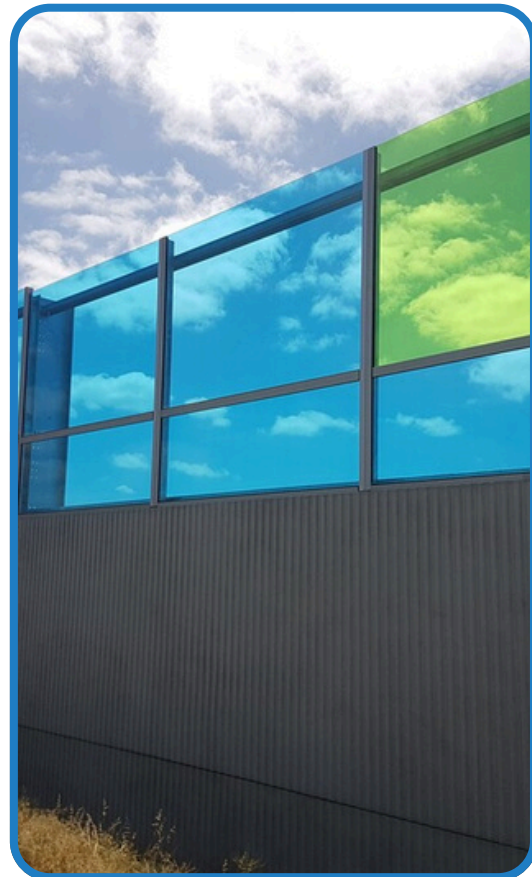


INTRODUCTION

When RMP Global set out to revolutionize noise wall construction with sustainable, high-performance materials, they needed a manufacturing partner who could bring their vision to life. Enter CPI Products—a leader in rotational molding with a passion for innovation. Together, we've developed a cutting-edge solution: noise barriers made from recycled plastics that are durable, lightweight, and environmentally friendly. This collaboration is reshaping infrastructure by replacing traditional concrete walls with sustainable alternatives that are easier to install and built to last.

CHALLENGE

The U.S. infrastructure market has long relied on concrete noise barriers, which, while effective, come with significant drawbacks: high material costs, labor-intensive installation, and a heavy environmental footprint. RMP Global had spent years perfecting a method to transform post-consumer plastic waste into durable noise walls, but scaling production in North America presented a new challenge. They needed a partner with the expertise to handle rotational molding at an industrial scale, maintain high quality standards, and meet growing demand.



SOLUTION

CPI Products stepped in as RMP Global's North American manufacturing partner, leveraging our advanced rotational molding technology to produce noise barriers that offer game-changing benefits:

- **Sustainable Materials:** Panels are made from recycled polyethylene plastics, keeping waste out of landfills.
- **Lightweight and Strong:** As durable as concrete but light enough for manual installation, reducing the need for heavy machinery.
- **Customizable Designs:** Available in various colors and textures to suit different aesthetic and functional needs.
- **Longevity and Durability:** Engineered to last 70-100 years with minimal maintenance.

Our expertise in precision molding and material science allowed us to scale up production while maintaining the high performance and durability RMP Global required. By partnering with CPI, RMP Global ensured their noise walls could be efficiently manufactured and distributed across North America.

CONCLUSION

The partnership between CPI Products and RMP Global is a testament to the power of innovation in sustainable manufacturing. By turning plastic waste into high-performance infrastructure, we are not only reducing environmental impact but also redefining what's possible in the construction industry. With noise walls that are easier to install, cost-effective, and built to last, we are proving that sustainability and performance can go hand in hand. As this partnership grows, we look forward to expanding production and continuing to shape a cleaner, quieter future.

Ready to Get Molding?

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