

# The Role of Plastics in Our Everyday Spaces

## How plastics help shape the homes, buildings, and cities we live in

From the homes we live in to the roads we drive on, plastics play a key role in shaping modern life. They're durable, lightweight, adaptable, and built to last — helping make the spaces around us more comfortable, efficient, and resilient. Here's how:

## Plastics in Everyday Infrastructure

### Homes & Buildings

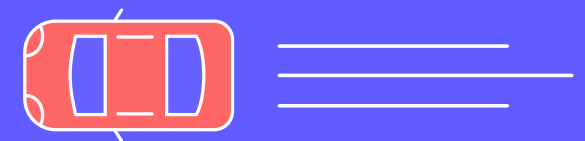
- **Insulation:** Plastics-based insulation materials help regulate indoor temperature, improving comfort and reducing energy use.
- **Windows & Doors:** Lightweight and durable plastic frames stand up to weather and wear, protecting homes from heat loss and drafts.
- **Roofing:** Polycarbonate panels and other plastic composites offer long-lasting, UV-resistant protection for homes and buildings.

### Public Spaces & Infrastructure

- **Pipes & Plumbing:** Corrosion-resistant plastic piping systems last for decades, ensuring safe water delivery with minimal maintenance.
- **Roadways:** Recycled plastics can be added to asphalt to make roads stronger and longer-lasting — reducing repair needs and waste.
- **Playgrounds & Recreation Areas:** Plastic-based materials create safe, durable, and easy-to-clean play surfaces that withstand heavy use and changing weather.

### Transportation & Mobility

- **Vehicles:** From electric vehicles to public transit, plastics help make cars, buses, and trains lighter and more energy efficient, while improving safety features like airbags and crumple zones.
- **Urban Transport Systems:** Lightweight plastics in bridges, transit shelters, and other structures help improve durability and reduce long-term maintenance needs.



## The Benefits of Plastics in Construction and Design

- **Durability and Strength:** Plastics are long-lasting materials that reduce the need for frequent repair and replacement.
- **Energy Efficiency:** Improved insulation and lightweight structures help lower energy use and improve comfort in our homes.
- **Adaptability & Versatility:** Plastics can be engineered for a wide range of building, infrastructure, and mobility applications.
- **Circularity & Reuse:** Many plastics used in construction can be repurposed or recycled into new products, keeping valuable materials in use for longer.

### LEARN MORE

Discover how plastics are helping to build a stronger, more efficient future for Canada.

Visit [saveplastic.ca](https://saveplastic.ca) to learn more, and follow along on social media!



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