

Plastic Building Materials Save Energy, Create More Resilient & Comfortable Office Buildings

Plastic building products – spray/rigid foam insulation, reflective roofing and windows, plumbing and lights and more – play a crucial role in preventing heating/cooling/energy losses in office buildings, allowing us to save more energy and money and to reduce greenhouse gas emissions.

Skylights

- Insulates, reduces heating/cooling costs
- Impact-resistant source of natural light

Foam Insulation (ceiling/roof/wall/foundation)

- High R-value, reduces heating/cooling costs,
- Repels moisture/mold/dust/pests/radon/moisture, reduces noise

Roofing

- Reflects heat, reduces heating/cooling costs
- Impact/weather/water resistant, low maintenance

Building Wrap

- Protects building envelope, repels water, allows moisture to escape
- Reduces air infiltration, heating/cooling costs

Siding

- Reduces heating/cooling costs
- Design flexibility; durable, low maintenance, doesn't rot

Solar Film

- Reflects heat and light, reduces heating/cooling costs
- Protects occupants, furnishings from UV rays

Window Frames (and some windows)

- Reduces heating/cooling costs
- Low maintenance, doesn't shatter, doesn't warp, rot, rust

Flooring (carpeting/composites)

- Insulates, reduces heating/cooling costs
- Waterproof, durable, low maintenance

Light Fixtures

- Lightweight, transparent, shatter-resistant
- Flexible design, easy to install/maintain

Plumbing

- Reduces water heat loss and friction, saves money/energy
- Durable, corrosion-resistant, easy to install

Sealants

- Seals building envelope, reduces heating/cooling costs
- Blocks moisture, pests, air drafts

Wires/cables/conduits

- Provides electrical insulation, fire retardancy, safety
- Easy installation, low maintenance, moisture/rust resistant