

# TECHNICAL BULLETIN

## Glare from energy-efficient windows, Stainless Steel grills and other reflecting items can melt siding, vehicles and even pool covers and vinyl liners!

Reflective items around your house such as energy efficient windows and stainless steel grills can be problematic for homeowners when sunlight bounces off the objects and is so intense that it can melt vinyl siding, plastic car parts and even pool covers and vinyl liners.

These reflective items can act as magnifying glass and reflect the sun's rays. Clear glass reflects about 10 percent of the sunlight's energy, but low efficiency window can reflect 30 to 50 percent, according to the National Association of Home Builders.

Reports show the coatings used on the windows to reflect the sun, combined with a concave effect in some window, magnifies and intensifies the beam up to 200 degrees Fahrenheit. The problem is worse in late fall, winter and early spring due to the low angle of the sun.

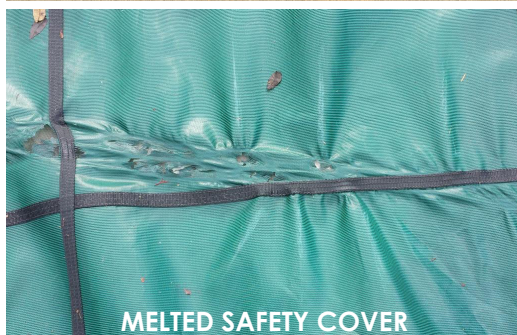
Stainless steel appliances around your pool can have the same damaging effects. Be sure to cover these types of items or move them away from your pool cover and/or liner when not in use.

Included are several photos that show the types of damage that can be caused.

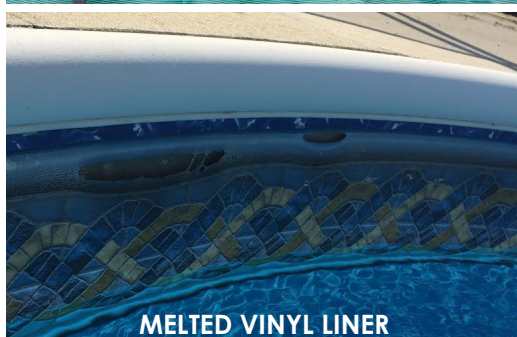
\*Please note that damage from external heat sources is not covered under warranty.



MELTED SAFETY COVER



MELTED SAFETY COVER



MELTED VINYL LINER



MELTED SAFETY COVER



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