



Science.
Applied to Life.™

Cool where it counts.



3M™ Cooling Film
Reduces railcar
interior temperatures
by up to

10°F

(5.5°C)

3M™ Cooling Film

Applied to the exterior roof of a railcar, 3M™ Cooling Film is a highly reflective, white performance film that reduces solar heat gain.

It reflects over 85% of the sun's thermal energy, limiting how much of that energy is converted into heat. With over 91% thermal emissivity in the atmospheric window, the film also helps release absorbed heat back to the cooler sky. Together, these properties reduce heat buildup through passive cooling - without powered systems.

Minimal maintenance is needed to sustain performance, as the durable coating resists dirt, chemicals, and wear in rail operating conditions.

Reflects over
85%
solar radiation

Releases
heat
naturally

Key Benefits



Helps improve
passenger comfort



May reduce or eliminate
need for additional insulation
to manage heat



Hard-coat finish maintains
reflectivity with reduced
cleaning needs



Quick installation helps
keep railcars in service
with minimal downtime



Lower cooling demand
supports energy savings
and operational efficiency



Fewer VOCs compared
to the painting process



Contact us to calculate your savings.

Learn more at [3M.com/CoolYourRail](https://www.3m.com/CoolYourRail)



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