

NWiR EDUCATION SERIES

KEEPING IT COOL — USING COOL ROOFS TO COMBAT HEAT ISLANDS AND SAVE ENERGY

Urban Heat Islands (UHI)

Cities are typically hotter than suburban and rural areas



Average Temperature in Late Afternoon. Source: Berkley National Laboratory



Source: Zhao et al. 2021
<https://doi.org/10.1038/s41558-020-00958-8>

INSTALLATION CONSIDERATIONS



CONDENSATION



INSULATION



HEAT PENALTY

Advantages of Cool Roofs



Reduce Air Conditioner Use and Indoor Air Temperatures



Reduce Energy Costs



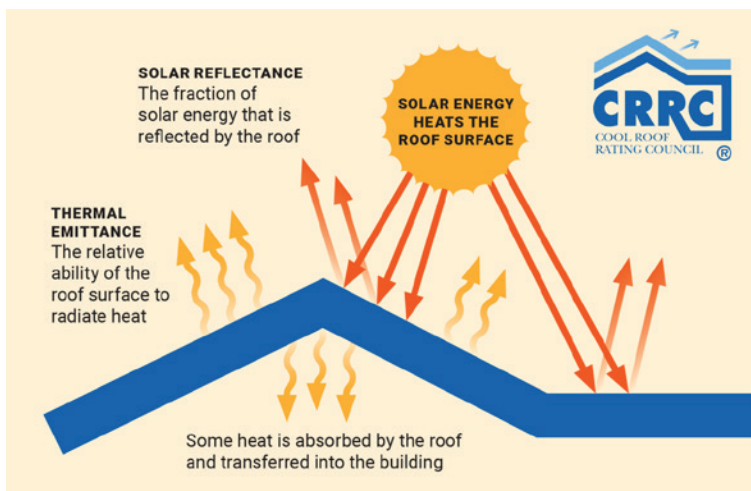
Reduce Peak Energy Use and Strain on Energy Grid



Reduce Climate Change Effects



Reduce Urban Heat Island Effects and Ground-level Ozone



For more in-depth resources, visit the Education page on the NWiR website. To watch the complete webinar visit www.NationalWomeninRoofing.com/home/education/webinars/

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