

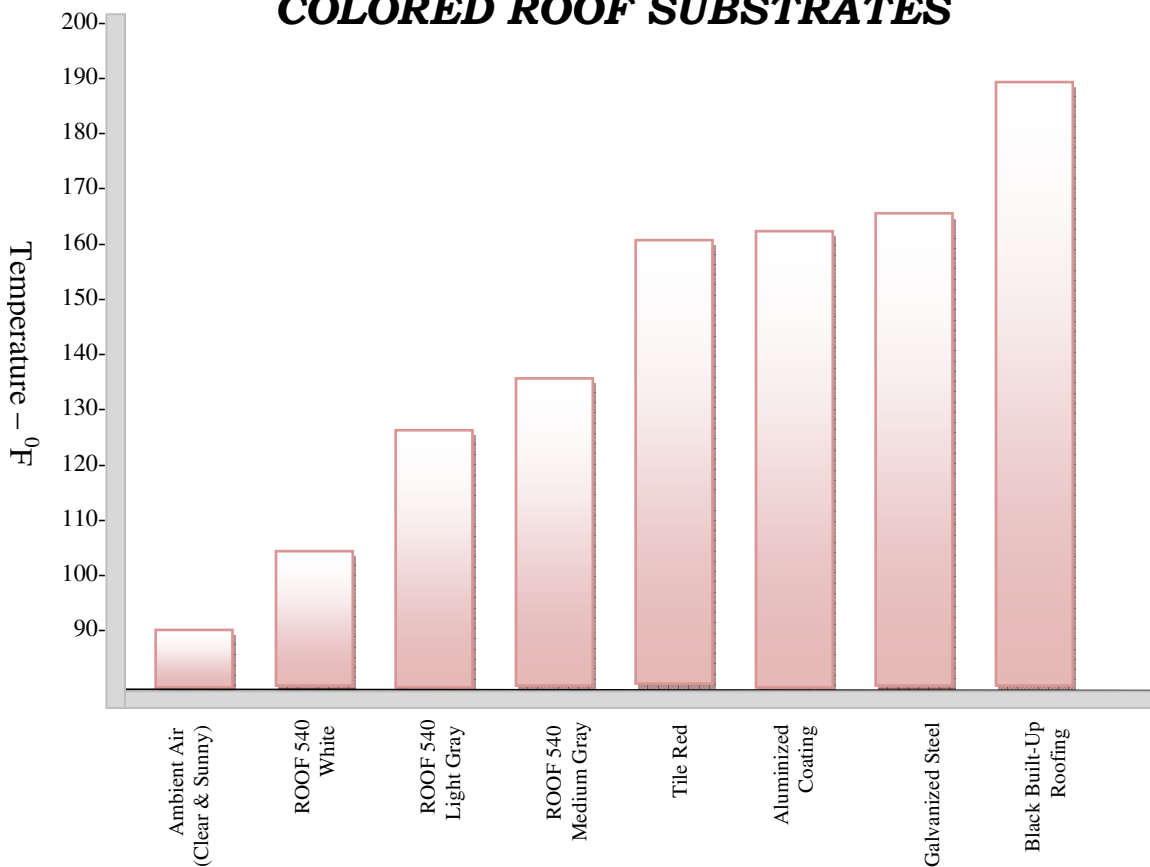
ROOF-540™
THE ROOF PRESERVATION SYSTEM
Meets ASTM D6083; ENERGY STAR® & CRRC Listed

TECHNICAL REPORT
REFLECTIVITY

The average roof is exposed to tremendous amount of solar energy, which includes ultraviolet light. This exposure to solar energy increases the surface temperature of the roof, in some cases far above the ambient air temperature. Typically, the darker the roof, the more solar energy it absorbs. This increase in temperature not only accelerates degradation of the roof substrates, but increases the energy requirements for cooling the building.

White, reflective coatings such as ROOF 540, offer many advantages when applied over conventional roof substrates. By reflecting over 80% of the solar energy, ROOF 540 minimizes surface temperature heat gain. This not only prevents degradation of the existing roof substrate, but minimizes expansion/ contraction experienced with changes in temperature. The net result is a dramatic extension in the life expectancy of the roofing system. In addition, to improved aesthetics, the building owner can look forward to a decrease in energy consumption as a result of lower cooling costs. These energy savings will typically pay for the cost of the ROOF 540 installation in 2 to 5 years. Surprisingly, aluminized coatings and galvanized metal absorb more solar energy than they reflect, as per the graph below.

**EFFECTS OF SOLAR ENERGY ON
COLORED ROOF SUBSTRATES**



A ROOF 540 roof is not only highly reflective. The 100% elastomeric acrylic resins resist solar degradation and remain flexible for years of trouble free performance..... One time installation in Life Time.

[AWC \[Architectural Waterproofing Corporation\]](#)

H.O: A-11, 4th Floor, Malad Yojna CHSL, S.V Road, Malad (W), Mumbai 400 064.

Tel: 022 28883000/3002, 3222 7830. URL: www.awcindia.in E:info@awcindia.in

Factory Address: Plot 2616, New GIDC, Opp. Weighing Scale, Umbergaon, Dist: Valsad, Gujarat 396 171.

Tel.: +0260 3193000. URL: www.awcindia.in

E: factory@awcindia.in

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. USERS SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & DETERMINE THE SUITABILITY & COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE & DISPOSAL OF THESE MATERIALS & THE SAFETY OF EMPLOYEES & CUSTOMERS.

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. USERS SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & DETERMINE THE SUITABILITY & COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE & DISPOSAL OF THESE MATERIALS & THE SAFETY OF EMPLOYEES & CUSTOMERS.

Our products are guaranteed to meet established quality control standards. Information contained in our technical data is based on laboratory and field testing, but is subject to change without prior notice. No guarantees of accuracy are given or implied, nor does AWC assume any responsibility for coverage, performance or injuries resulting from storage, handling or use of our products. Liability, if any, is limited to product replacement or, if applicable, to the terms stated within the executed project warranty.