

# NEXT GENERATION COOL ROOF COATING



WATER-BASED



1 COMPONENT

## RD-SUNGUARD

High performance solar reflective coating with exceptional properties  
Helps our planet by reducing surface temperatures and urban heat island effects

- SRI index  $\geq 110$  – Solar Reflectance Index - ASTM E 1980
- TSR  $\geq 88\%$  – Total Solar Reflectance - EN 14500 part B and EN 410
- High degree of whiteness and UV resistance
- Maintains its high reflectance value over time
- Excellent dirt pick-up resistance and self-cleaning properties
- Excellent resistance to weathering

### Much more powerful than any ordinary white paint!

**RD Coatings** has developed a new type of universal coating based on very innovative chemistry and capable of maintaining the most important properties required for cool roof coatings.

**RD-Sunguard** ensures long-lasting performances, whether it is energy savings, better thermal comfort or lower heat effect.

### CHALLENGE



Keep the coating white for years and as clean as possible!

### BENEFITS

- 1 Lower the energy bill of buildings as less energy is used to cool the inside
- 2 Increase the productivity of solar panels on roofs
- 3 Reduce Urban Heat Island Effect (UHI) and lower the Carbon Footprint
- 4 Better thermal comfort by decreasing by several degrees the temperature inside buildings



Fluoropolymer technology



High whiteness & UV resistance



Abrasion resistant



Excellent dirt pick up resistance

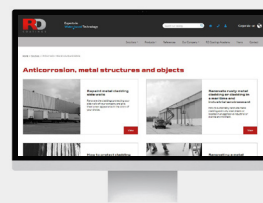


DETAILED APPLICATION PROCEDURES ARE AVAILABLE ON RD COATINGS' WEBSITE IN THE SOLUTION PAGES.



Find everything you need to know about our high-performance water-based coatings, their advantages and properties.

View videos and download detailed instructions with tips and advices.



**RD**  
COATINGS

# NEXT GENERATION SOLAR REFLECTIVE COATING

## MULTI-PURPOSE SOLAR REFLECTIVE COATING

Discover **RD-Sunguard**: an all-in-one solution that meets the needs of various industries in terms of sustainability and energy efficiency.

This revolutionary product offers a unique combination of properties that reduce carbon footprint while optimizing thermal and energy performance.



### BLACK BITUMINOUS ROOFS: CONVERSION INTO COOL ROOF

**RD-ELASTODECK + RD-SUNGUARD**

Flat and sloped roofs are waterproofed  
**AND** solar reflective

- Important energy savings through lower use of air conditioning
- Significant reduction in heat transfers through the roof



WATERPROOF



SOLAR REFLECTIVE

- ✓ Data centers
- ✓ Refrigerated warehouses
- ✓ Hospitals
- ✓ Supermarket
- ✓ Shopping centers



### METAL ROOFS: MAXIMIZING SOLAR PANEL YIELDS

**RD-ELASTOMETAL + RD-SUNGUARD**

Metal roofs are waterproofed, protected  
against corrosion **AND** solar reflective

- Better thermal comfort inside non air-conditioned areas
- Superior yield of solar panels on top of roofs



WATERPROOF



ANTI-CORROSION



SOLAR REFLECTIVE

- ✓ Factories
- ✓ Warehouses
- ✓ Shelters
- ✓ Homes
- ✓ Containers



### METAL INFRASTRUCTURE: LIMITING THERMAL FLUXES

**RD-MONOGUARD + RD-SUNGUARD**

Metal infrastructures are protected  
against corrosion **AND** solar reflective

- Less heat transfer inside reservoirs and pipes
- Reduce volumetric variations and lower evaporation of stored liquids



C5 HIGH / ISO 12944



ANTI-CORROSION



SOLAR REFLECTIVE

- ✓ Crude oil tanks
- ✓ Water tanks
- ✓ Gas tanks
- ✓ Chemical tanks

More details in our solutions section on [WWW.RD-COATINGS.COM](http://WWW.RD-COATINGS.COM)