

CUTS HEAT. NOT LIGHT.



MIL-PRF-85285E SRC

Solar Reflective Coating with
Advanced Heat Reflecting Technology



EXTERIOR SURFACE
70°C+
EXTREME HEAT LOAD



INTERIOR SURFACE
**UP TO 15°C
COOLER**
ENHANCED COMFORT
PROTECTED SYSTEMS



REFLECTS
INFRARED HEAT (NIR)



ALLOWS
VISIBLE LIGHT



PROTECTS
WHAT MATTERS



EXTENDS
LIFECYCLE



IMPROVES
PERFORMANCE

AEROSPACE-GRADE
POLYURETHANE

AS9100D
CERTIFIED

RoHS
COMPLIANT

REACH
COMPLIANT

THE PROBLEM ISN'T SUNLIGHT. IT'S WHAT YOU CAN'T SEE.

Most coatings treat sunlight as one problem.
They block brightness and heat together.

That's inefficient.

Because the real enemy is **Near Infrared radiation (NIR)**.

The invisible part of sunlight
that carries heat.

INFRARED (NIR)
WHAT YOU DON'T SEE

VISIBLE LIGHT
WHAT YOU SEE

SO WE REMOVED THE HEAT. NOT THE LIGHT.

MIL-PRF-85285E SRC is engineered to:



Reflect **heat-carrying**
infrared radiation



Allow **visible light**
to pass through



Reduce **internal heat**
without compromising visibility

NIR (HEAT)
REFLECTED

VISIBLE LIGHT
TRANSMITTED



COOLER SYSTEMS. CLEAR VISIBILITY. NO COMPROMISE.

PERFORMANCE YOU CAN MEASURE.

IMPACT YOU CAN FEEL.



PARAMETER	UNCOATED SURFACE	MIL-PRF-85285E SRC*
Solar Factor	1.00	0.51
Solar Direct Transmittance	100%	46% (±5%)
Light Direct Transmittance	100%	59% (±5%)
Solar Absorptance	0%	18%
Selectivity	1.00	1.28
Total Energy Reduction	-	49%
Interior Temp. Reduction	-	up to 15 °C

All values per DIN EN 410. Typical; non-binding. Specifications available on request.
*Application of the coating requires hardener & thinner, please refer to product TDS.



TOTAL ENERGY
REDUCTION



INTERIOR TEMPERATURE
DROP



SOLAR HEAT
TRANSMISSION



VISIBLE LIGHT
RETAINED

WHAT THIS CHANGES ON THE GROUND

Less thermal stress
on electronics

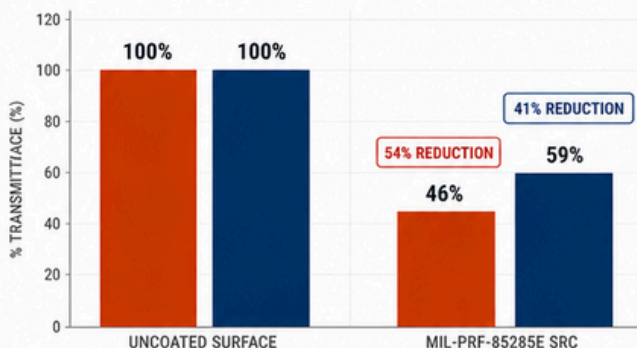
More stable system
performance

Reduced cooling
dependency

Extended asset life

SOLAR vs LIGHT TRANSMITTANCE

■ Solar Transmittance (heat-carrying radiation) ■ Light Transmittance (visible daylight)



Cuts heat by more than half. Keeps the light you need.

MIL-PRF-85285E SRC

SOLAR REFLECTIVE COATING
WITH ADVANCED HEAT REFLECTING TECHNOLOGY

BUILT FOR ENVIRONMENTS WHERE HEAT IS NOT OPTIONAL.



APPLICATIONS



DEFENCE VEHICLES
& FIELD SHELTERS



AIRCRAFT &
AVIATION COMPONENTS



RADARS, DRONES &
MISSILE SYSTEMS



BATTERY PANELS &
ELECTRONIC ENCLOSURES



INDUSTRIAL HIGH-
PERFORMANCE SYSTEMS

TECHNICAL STRENGTH



TWO-COMPONENT
POLYURETHANE SYSTEM



HIGH UV &
WEATHER RESISTANCE



LONG-TERM
EXTERIOR DURABILITY



SUBSTRATE-COMPATIBLE
EPOXY & PU PRIMERS



MULTI-PROCESS
APPLICATION CAPABILITY

COMPLIANCE & STANDARDS



DEVELOPED IN LINE WITH
MIL-PRF-85285E
PERFORMANCE INTENT



RoHS
COMPLIANT



REACH
COMPLIANT

ENGINEERED FOR EXCELLENCE

MIL-PRF-85285E SRC delivers advanced heat management with aerospace-grade durability, ensuring mission readiness and reliability in the most demanding environments.



WHEN HEAT DROPS, PERFORMANCE RISES.



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Technical Datasheet
available on request