

# FUTURONE THERMO GUARD

## 2.0 PREMIUM

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PREMIUM THERMAL-REFLECTIVE COATING SYSTEM

SRI 107+ | 10 YEARS WARRANTY | 20 YEARS DURABILITY

Fire Safety BROOF(t1) | 100% Waterproof | Antibacterial | Bird Deterrent

# THE CHALLENGE FOR FACILITY OWNERS

## RISING ENERGY COSTS

HVAC costs increasing 15-25% annually. Cooling accounts for 40-60% of energy bills.

## ESG AND DECARBONIZATION

EU regulations demand carbon footprint reduction. Sustainability reports becoming mandatory.

## AGING ROOF INFRASTRUCTURE

Roof replacement: 80-150 EUR/m<sup>2</sup> + production downtime.  
Average industrial roof: 10,000+ m<sup>2</sup>.

## TYPICAL COSTS IN EU

**80-150 EUR**

per m<sup>2</sup> for roof replacement

**2-4 weeks**

production downtime

**40-60%**

energy spent on cooling

# THE SOLUTION: FUTURONE THERMO GUARD 2.0 PREMIUM

Revolutionary 2-layer thermal-reflective coating system that transforms your existing roof into a high-performance thermal barrier - without tear-off and without production interruption.

**SRI 107+**

Solar Reflectance Index

**88%+**

Solar Reflectance

**10-12 C**

Temperature Reduction

## ALL-IN-ONE SYSTEM:

Waterproofing + Thermal Insulation + Fire Protection + Antibacterial + Bird Deterrent

LAYER 1

**HYPERFLEX 2K BASE**

Waterproofing membrane

LAYER 2

**THERMO REFLECT TOP**

Thermal-reflective finish

**APPLICATION: 1-2 DAYS**

# KEY FEATURES AND BENEFITS

## FIRE PROTECTION

BROOF(t1) certified non-flammability. EN 13501 standard.

## 100% WATERPROOF

250 kPa water pressure resistance. Complete leak protection.

## THERMAL REFLECTION

SRI 107+ reflects 88%+ of solar radiation.

## ANTIBACTERIAL

ZnO + Ag nanoparticles prevent mold and bacteria growth.

## BIRD DETERRENT

Natural menthol repels birds without harming them.

## PV EFFICIENCY +60%

Cooler roof = cooler panels = higher energy output.

**10 YEARS**

WARRANTY

**20+ YEARS**

DURABILITY

**EN 13501**

CERTIFIED

**TECNALIA**

SRI TESTED

# COMPETITIVE COMPARISON IN EUROPE

Parameter	German Systems	Dutch Systems	Danish Systems	FUTURONE
Price per m2	55-75 EUR	50-70 EUR	60-80 EUR	52 EUR
Warranty	5-7 years	5-8 years	5 years	10 YEARS
SRI Value	85-95	80-90	82-92	107+
Fire Rating	Various	Various	Various	BROOF(t1)
Antibacterial	NO	NO	NO	YES
Bird Deterrent	NO	NO	NO	YES
ROI Period	6-10 years	5-9 years	6-8 years	4-6 YEARS

**FUTURONE ADVANTAGE:** Best price + longest warranty + highest SRI + unique features (antibacterial, bird deterrent)

# TECHNICAL SPECIFICATIONS

## THERMAL PERFORMANCE

SRI (Solar Reflectance Index): 107+  
Solar Reflectance: 88%+  
Thermal Emissivity: 0.89+  
Temperature Reduction: 10-12 C

## WATERPROOFING

Water Pressure Resistance: 250 kPa  
Water Vapor Permeability: Sd below 2m

## FIRE SAFETY

Fire Classification: BROOF(t1)  
Standard: EN 13501-5

## MECHANICAL PROPERTIES

Tensile Strength: 4+ MPa  
Elongation at Break: 350%+  
Low Temp Flexibility: -35 C

## APPLICATION DATA

Coverage (system): 1.5-2.0 kg/m<sup>2</sup>  
Dry Film Thickness: 700-1100 um  
Drying Time: 2-4 hours

## COMPATIBLE SUBSTRATES

Bitumen, EPDM, PVC, TPO, Metal, Concrete, Fiber cement (Eternit)

# TRANSFORM YOUR ROOF INTO SAVINGS

Contact us for a FREE technical assessment and customized proposal

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