



COOL ROOF



**Refresh
the buildings,
Protect
the planet.**

- ✓ Up to -8°C in your buildings
- ✓ Up to -40% air conditioning
- ✓ Savings of up to €5/m²
- ✓ -20 kWh/m²

**Cool Roof, the sustainable solution for
a cooler and more economical future.**

Contact us for a sales appointment

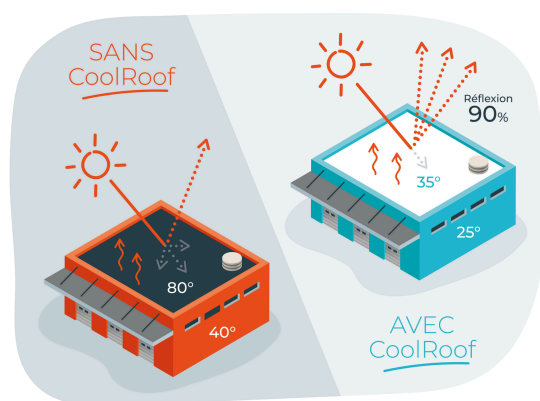
COOL ROOF
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What is Cool Roofing?

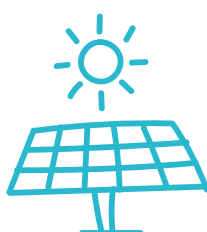
An ecological and efficient solution for your buildings

Cool Roofing is a reflective coating technology that improves the energy performance of buildings by reducing their interior temperature. Thanks to its technical coating, Cool Roof reflects up to 90% of solar radiation, preventing roofs from heating up. This simple process prevents buildings from overheating and reduces energy consumption related to air conditioning by up to 40%.



Key benefits

- Indoor temperatures drop by up to 8°C
- Reduce air conditioning costs by up to 40%
- Reduction of 20 kWh/m²
- Savings of 5€/m² on average
- Reduction of CO₂ emissions by up to 36 kg/m²
- Extension of the life of roofs from 8 to 12 years
- Improving the performance of HVAC (heating, ventilation, air conditioning) systems, reducing their demand and increasing their efficiency
- Increased efficiency of solar panels, optimizing energy production through a reduction in ambient heat



Suitable for all types of roofs: bituminous, metal, fiber cement, etc.
Without interruption of activity during the works.





Why choose Cool Roof?

Value Chain Management & Consulting

Cool Roof stands out by mastering the entire value chain, from R&D to application.

Thanks to our expertise in materials chemistry, our thermal design office, and our field teams, we offer a high added-value solution adapted to each building.

Our coatings are eco-designed, non-polluting, and guarantee a low carbon footprint.

Our approach also incorporates a strong consulting component to ensure the effectiveness of each project. This includes:

- Micro STD or STD thrust (dynamic thermal simulation) on TRNSYS
- Technical visit of the building for specific aspects of the roof
- Setting up instrumentation + Rex with/without IoT platform access
- Quality control after application by our regional technical manager (RTR)
- Offer of coating maintenance service to maintain the SRI over time





Concrete results

Proven Effectiveness: Since 2015, more than 1 million m² have been treated with our solution, preventing the emission of 1,485 tonnes of CO₂eq into the atmosphere in 2022 and 2,928 tonnes in 2023.

Recognition and Partnerships: Cool Roof has received numerous distinctions, including B Corp and French Tech 2030, and has been recognized as one of the 40 future Impact Unicorns.

First FDES in France: We have obtained the first FDES for a reflective coating in France, highlighting our sustainable commitment. Our product is innovative thanks to the use of recycled oyster shell powder.

Eco-design approach: Our eco-design approach is integrated into all our R&D, guaranteeing environmentally friendly products throughout their life cycle.

Preliminary Impact Studies: Before each project, our Technical Studies Office carries out an impact study to guarantee the relevance and effectiveness of our solutions.

Climate Commitment: Committed to the fight against global warming, we do not just sell a product, but offer a turnkey, innovative and proven service!



#2 - FEEDBACK

Problem: Overheating of cold rooms in summer, excessive electricity consumption



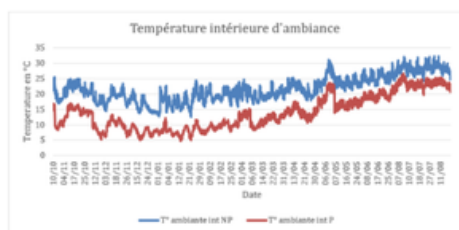
Waterproof	Membrane bitumineuse
nature Project	Application of the CoolRoof solution on a 3770m ² roof
description Instrumentation	Ambient and surface indoor/outdoor temperature readings with and without CoolRoof.

Date of application: 07/25/2023, Analysis period: One year, Climate zone: H3

Analyse de la température intérieure

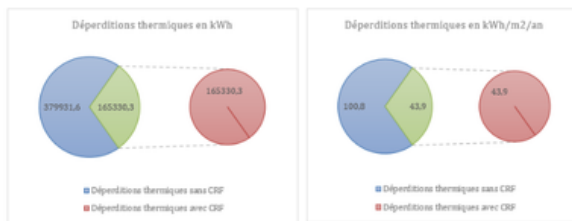
Gain en température ambiante :

- **14.8°C** comme maximum diurne
- **7.7°C** en moyenne diurne



Analyse des performances

- Economies en énergie thermique de **56,9 kWh/m²/an**
- Economies en énergie électrique de **20,32 kWh/m²/an**
- Réduction de l'empreinte carbone de **27,31 kgCO₂/m²** sur 20 ans
- Economies financières réalisées jusqu'à **19160,83 euros par an**
- Retour sur investissement à partir de **5,4 ans**



NB : résistance thermique du toit de 2 m²K/W

In addition to reducing the number of discomfort degree hours by 21%, the CoolRoof has enabled energy savings, financial savings and a reduction in the building's carbon footprint.

Testimonials

"Thanks to Cool Roof, we have reduced our energy costs by 20% and improved the comfort of our buildings. A simple, efficient and ecological solution!" – Customer in the retail sector.

"The integration of Cool Roof's cool roofing solution into our pharmaceutical infrastructure has led to a measurable improvement in energy efficiency and the thermal stability required for our operations. This initiative supports our sustainability and operational cost optimization goals." CSR Manager, Pharmaceutical Industry

