



BeckryLOW-e

Heat regulation coatings

Our
BeckryLOW-e
Technology is a double winner.

It represents substantial **savings** and is a **sustainable alternative** to insulation due to its **unique thermal qualities**.

A solution designed to improve your every day comfort.



An example of use on **Roller shutters**

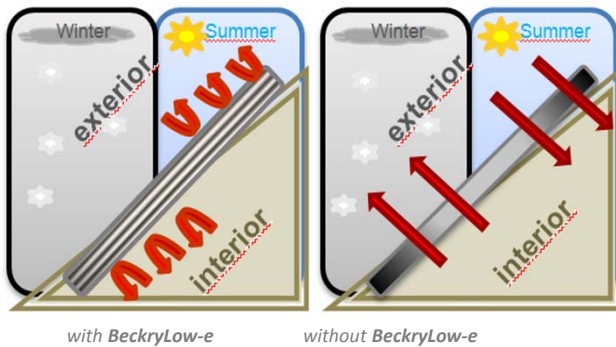
BeckryLow-e

CONCEPT

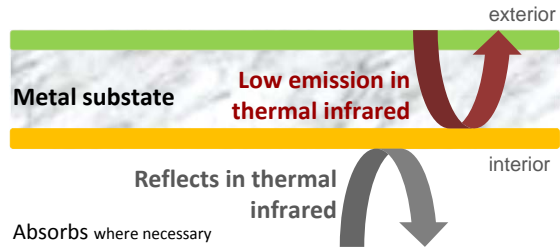
BeckryLow-e is low emissivity paint and works as a thermal energy barrier coating.

For example, a **roller shutter, garage door or even a ceiling painted with BeckryLow-e**, will have a lower level of heat exchange than a area which has not been painted with **BeckryLow-e**.

BeckryLow-e also improves thermal comfort and protects your shutters, garage doors and ceilings from rust, scratches and abrasion.



The concept of low emissivity paints



- ✓ **In summer** Most of the energy from the sun is reflected back, and only a small fraction of energy absorbed is then radiated into the room which considerably limits heat build up inside the buildings.
- ✓ **In winter** The **BeckryLow-e** coat reflects the heat inside, limiting heat loss.

PERFORMANCE

When used on roller shutters, garage doors or ceilings, **BeckryLow-e's** thermal resistance is increased by $R > 0,20 \text{ m}^2 \cdot \text{K/W}$ and is thus eligible for a tax rebate in France. The product performance on aluminium is as follows:

Thickness	Gloss	Rub-test MEK	T-bend	Reverse Impact	Erichsen Draw	Erichsen Draw rupture	Adhesion
ISO2808	ISO 2813	ASTM D 5402	ISO 1519	60inch.lbs ISO6272	4mm ISO1520	ISO1520	
15 – 17 μm	30-35 %	>100 double rubs	1T NR/NC*	NR/NC*	NR/NC*	NR/NC*	Good
Taber abrasion CS10 2x500g ASTM D 4060		Acetic acid saltspray 1000 hrs ASTMG85/ISO 4628-2		Quick Condensation Test (QCT)° 1000h ISO 6270-1/ISO4628-2		Emissivity ASTM C 1371-04a	
500 cycles: 25 mg 1000 cycles: 45 mg		Bend: no blistering Vertical scratches : 0-0,5 mm Edges: 0-1 mm		No blistering No marking		0,34 ± 0,01	

*No Removal / No Cracking

BeckryLow-e is the best possible compromise between mechanical performance, outdoor resistance and heat reflection.

