

# HAVERKAMP Low-E-Films

 HAVERKAMP

## The #glassoptimizer

- most innovative film developments
- unique product range
- latest manufacturing techniques
- most modern production techniques

### At a glance:

- both insulating and heat-reflective
- quick and cost-efficient retrofit solution
- available as window films and interlayer films
- insulating film - reduction of heat loss in winter by up to 15 % depending on glazing and external factors.
- scratch insensitive surface: longevity and optimal cleaning capability
- reduction of the air conditioning system's cooling load
- reduction of the energy costs
- improvement of the building's carbon footprint
- UV protection - delaying the fading of objects, goods & exhibits



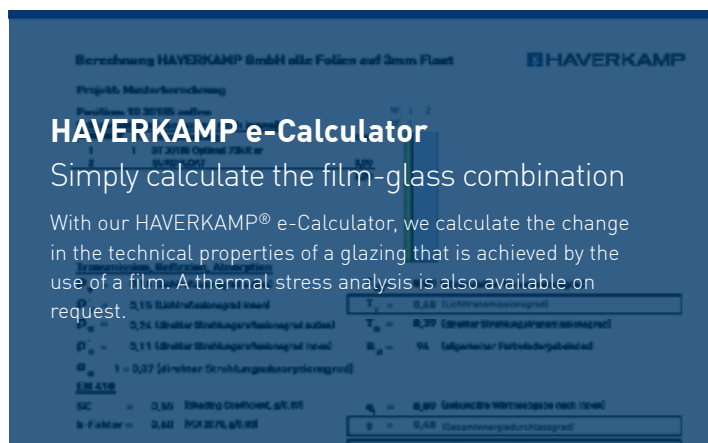
HAVERKAMP Low-E window films can achieve similar insulating properties to Low-E glass at a fraction of the price, reducing heat loss in winter by up to 15 %. Depending on the glazing and external factors.

HAVERKAMP Low-E films not only improve insulation in the cold winter months, but also reduce solar heat gain through the glass in summer. The reduced need for heating and cooling systems also lowers energy bills.

## HAVERKAMP e-Calculator

Simply calculate the film-glass combination

With our HAVERKAMP® e-Calculator, we calculate the change in the technical properties of a glazing that is achieved by the use of a film. A thermal stress analysis is also available on request.



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With the publication of a new edition of this leaflet with a new status, the previous information loses its validity. Münster, February 2023.