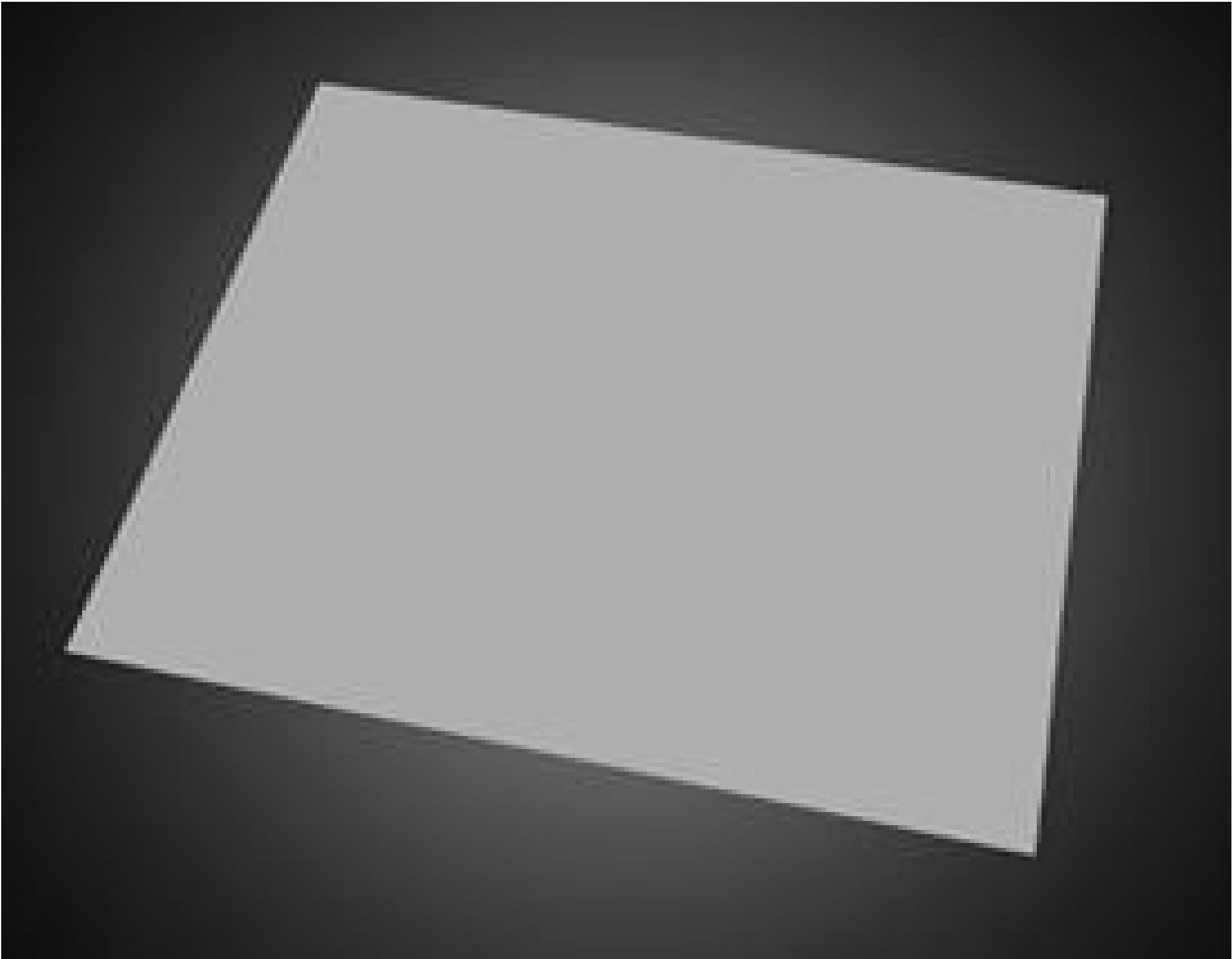


# 20 x 20cm Sheet of Acktar White Standard, Aluminum Substrate, Low Outgassing Adhesive

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Acktar White, Aluminum Substrate, Adhesive

Stock **#29-649** **1 In Stock**

-

1

+

£181<sup>.60</sup>

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| Qty 1+         | £181.60 each                  |
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Product Downloads

| General                 |               |
|-------------------------|---------------|
| WHTA-20x20-3            | Model Number: |
| Low Outgassing Adhesive | Type:         |

|         |                  |
|---------|------------------|
| 20 x 20 | Dimensions (cm): |
|---------|------------------|

|                                                                                                                         |                             |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <div><div>Note:</div><div>Typical Adhesive Outgassing Performance: 0.85% TML, 0% VCM per ASTM E595-77/84/90</div></div> |                             |
| Physical & Mechanical Properties                                                                                        |                             |
| 200 x 200                                                                                                               | Dimensions (mm):            |
| 101.6                                                                                                                   | Foil Thickness (µm):        |
| <60                                                                                                                     | Adhesive Thickness (µm):    |
| Optical Properties                                                                                                      |                             |
| ACKTAR WHITE™                                                                                                           | Coating:                    |
| Aluminum                                                                                                                | Substrate: <div></div>      |
| <5                                                                                                                      | Coating Thickness (µm):     |
| Material Properties                                                                                                     |                             |
| <0.4                                                                                                                    | Solar Absorptance:          |
| >0.7                                                                                                                    | Emissivity:                 |
| Environmental & Durability Factors                                                                                      |                             |
| -50 to +150                                                                                                             | Operating Temperature (°C): |
| Moderate                                                                                                                | Abrasion Resistance:        |
| ML-C-48497A                                                                                                             | Humidity Resistance:        |
| Regulatory Compliance                                                                                                   |                             |
| Compliant                                                                                                               | RoHS 2015:                  |
| View                                                                                                                    | Certificate of Conformance: |
| Compliant                                                                                                               | Reach 247:                  |

## Product Details

- Low Solar Absorptance, High Emissivity, and Excellent Passive Thermal Management
- Inorganic Matte Coating on Aluminum Foil Substrate
- No Adhesive or Low Outgassing Adhesive Options

Acktar White™ Foils and Films feature a highly diffusive, completely inorganic matte coating designed for low solar absorptance. These films are available as 20 x 20cm, 20 x 30cm, or 20 x 60cm sheets, with either low outgassing adhesive backing or no adhesive backing. The substrate material for the sheets is 4mm thick aluminum, which provides high tensile strength, low elongation percentage, and low modulus of elasticity. Acktar White™ Foils and Films feature low absorption ( $\alpha < 0.4$ ), and high emissivity ( $\epsilon > 0.7$ ), and excellent passive thermal management, making them ideal for adding thermal stability to astronomical and aeronautical applications. The films are Class 100 clean room compatible and are easily cleaned with ethanol, IPA, acetone, or up to 10 bar of air pressure.

**Note:** Please contact us for longer Acktar White™ Film Rolls and for sheets and rolls with a polyimide substrate construction.

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

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