A breakthrough in optical films technology enables new ways to experience reality through holographic elements.
Bayfol® HX - Holographic Light Guiding
Full-Color hologram recording film

At Covestro, we understand the impact that the ability to control light has on our environment and on how we interact with each other in the workplace and beyond.

That’s why our Bayfol® HX photopolymer film is pushing boundaries in optical technologies. Not only does it offer new designs and optical effects for your products, it also enables light management flexibilities that seemed impossible in the past.

As pioneers of this technology, Covestro offers you customized products on an industrial scale as well as the support and speed you need to realize the next generation products in your markets.

Our standard product

<table>
<thead>
<tr>
<th>Bayfol® HX 200</th>
<th>Substrate: TAC</th>
<th>Cover: PE</th>
<th>PP Thickness: 16 µm</th>
<th>Color: RGB</th>
<th>Optimized sensitivity green</th>
<th>Roll Dimension: 300 mm x 150 m</th>
</tr>
</thead>
</table>

Our customized offer to fit your needs

### SUBSTRATE

**Thermoplastic base film**

- PC Polycarbonate
  - No birefringence
  - Highest toughness
  - Compatible with FIM
- PET Polyethylene terephthalate
  - Thinnest substrate
  - Water barrier
  - Scratch resistant
- TAC Cellulose triacetate
  - Index match to PP
  - Very low haze
  - Highest transparency
  - UV protection

### PHOTOPOLYMER

**Light sensitive**

- **Thickness**
  - 1 µm – 70 µm
  - Dynamic range
  - Bandwidth
- **Δn**
  - Up to 0.045
  - Dynamic range
- **Sensitivity**
  - 440 to 690 nm
  - High replication speed

### COVER LAYER

**Protective film**

- PE Polyethylene
  - Flexible
  - Easy to remove
- PET
  - Optically clear
  - Smooth surface
- TAC
  - Optically clear
  - Very low haze

### ROLL DIMENSION

To be evaluated on an individual basis

**INTEGRATION SOLUTIONS** including with partners along the value chain

**Key Features**

- Thin, transparent and directional optical solutions
- Highly versatile and wide design freedom
- Industry-ready (roll-to-roll)
- Simple and efficient processing

Note: Please contact us for product registration status of Bayfol® HX in your country. Abbreviations: PP = Photopolymer, FIM = Film insert molding