



A breakthrough in optical films technology enables new ways to experience reality through holographic elements.

Bayfol® HX



## 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

<b>Bayfol® HX 200</b>	Substrate: TAC	Cover: PE	PP Thickness: 16 µm	Color: RGB	Optimized sensitivity green	Roll Dimension: 300 mm x 150 m
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### Our customized offer to fit your needs

Substrate Thermoplastic base film		+	Photopolymer Light sensitive		+	Cover layer Protective film		+	Roll Dimension
<b>PC</b> Polycarbonate	<ul style="list-style-type: none"> <li>No birefringence</li> <li>Highest toughness</li> <li>Compatible with FIM</li> </ul>		<b>Thickness</b>	<ul style="list-style-type: none"> <li>1 µm – 70 µm</li> <li>Dynamic range</li> <li>Bandwidth</li> </ul>		<b>PE</b> Polyethylene	<ul style="list-style-type: none"> <li>Flexible</li> <li>Easy to remove</li> </ul>		To be evaluated on an individual basis
<b>PET</b> Polyethylene terephthalate	<ul style="list-style-type: none"> <li>Thinnest substrate</li> <li>Water barrier</li> <li>Scratch resistant</li> </ul>		<b>Δn</b>	<ul style="list-style-type: none"> <li>Up to 0.045</li> <li>Dynamic range</li> </ul>		<b>PET</b>	<ul style="list-style-type: none"> <li>Optically clear</li> <li>Smooth surface</li> </ul>		
<b>TAC</b> Cellulose triacetate	<ul style="list-style-type: none"> <li>Index match to PP</li> <li>Very low haze</li> <li>Highest transparency</li> <li>UV protection</li> </ul>		<b>Sensitivity</b>	<ul style="list-style-type: none"> <li>440 to 850 nm</li> <li>High replication speed</li> </ul>		<b>TAC</b>	<ul style="list-style-type: none"> <li>Optically clear</li> <li>Very low haze</li> </ul>		

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



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