



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

Bayfol® HX 200	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
PC Polycarbonate	<ul style="list-style-type: none"> No birefringence Highest toughness Compatible with FIM 		Thickness	<ul style="list-style-type: none"> 1 µm – 70 µm Dynamic range Bandwidth 		PE Polyethylene	<ul style="list-style-type: none"> Flexible Easy to remove 		To be evaluated on an individual basis
PET Polyethylene terephthalate	<ul style="list-style-type: none"> Thinnest substrate Water barrier Scratch resistant 		Δn	<ul style="list-style-type: none"> Up to 0.045 Dynamic range 		PET	<ul style="list-style-type: none"> Optically clear Smooth surface 		
TAC Cellulose triacetate	<ul style="list-style-type: none"> Index match to PP Very low haze Highest transparency UV protection 		Sensitivity	<ul style="list-style-type: none"> 440 to 690 nm High replication speed 		TAC	<ul style="list-style-type: none"> Optically clear Very low haze 		

+ **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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Edition: 2020 · Order No.: COV00088251 · Printed in Germany · E