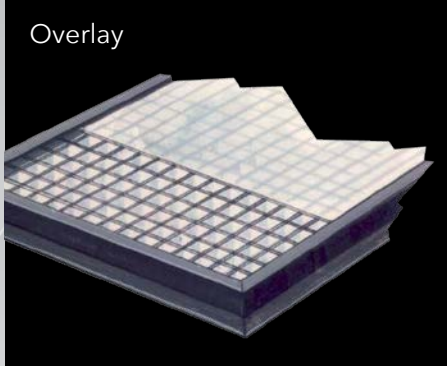




YORK PLASTIC PRODUCTS

# Y9 Optical Overlay



Overlay



Recessed Direct / Indirect



Linear Fluorescent and LED



## Applications

- **Recessed commercial fixtures with LED or fluorescent light source.**
- **Recessed or suspended commercial fixtures with perforated metal basket.**

## Same aesthetic appeal as acrylic, visibly better performance.

- Uniform brightness
- Thin, durable sheet allows Y9 to follow the contours of the most demanding application
- Available in sheet size: 0.25mm thick, 1212 x 603mm

## Y9 high transmission

- Maximum light transmission
- Utilises advanced plano-convex optical pattern for superior lamp shielding
- Total transmission 93.4%
- Diffusion factor 89.1%

## Optical Overlay Performance Data - Mechanical Properties

Test	Condition	Value
Specific Gravity	D792	1.33 g/cm <sup>3</sup>
Tensile modulus	D638	320,000 psi
Tensile strength	D638	8,500 psi
Flexural modulus	D790	320,000 psi
Flexural strength	D790	12,200 psi
Izod impact (73°F, -40°C)	D256	0.93 Ft-lbs/in.
Falling dart impact (73°F, -40°C)	D3029	500
Heat deflection temp.	D648	162 °F
Hardness	D2240	106 Shore D
Gardner gloss	D523	90%
Flammability rating	UL94 HB	Passes

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