

CASE STUDY: Ecco Restaurant, São Paulo, Brazil

Restaurant eliminates heat and glare



SITUATION: Ecco Restaurant, one of the most highly-reputed dining establishments in Jardins, São Paulo, sought to eliminate the excess heat and glare caused by the sun's rays passing through its large glass windows. The restaurant's owners wanted to improve the comfort of the customers dining near the windows without compromising the view.

SOLUTION: The restaurant owners chose Llummar N-1050 film. This high-performance sputtered film features 42% total solar energy rejection, 49% visible light transmittance, and blocks 99% of the damaging ultraviolet light.

RESULTS: After the installation, Mr. Sérgio Roberto Cusin, an owner, commented, "The Llummar film gave my customers more privacy, while allowing them to see through the windows. Discomfort and glare were eliminated. The tables by the windows can now be used on hot sunny days. We have reduced energy costs and are able to operate our air conditioning more efficiently. Our Llummar film also protects against UV rays, which will help to keep our upholstery and decorations from fading."

Building
Ecco Restaurant
Location
São Paulo, Brazil
Film
N-1050 SR CDF (Neutral)
Type
Solar Control Film

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Performance Data

Neutral Series

N-1050 SR CDF (Neutral)

% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorbance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter Merit U-Value	Shading Coefficient	% Ultraviolet Rejected	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Rejected	Light-to-Solar Heat Gain Ratio	% Summer Solar Heat Gain Reduction	% Winter Heat Loss Reduction	% Glare Reduction
44	13	43	49	14	12	1.03	0.67	99	0.84	0.58	42	0.84	33	0	46

Neutral films reduce glare, provide moderate heat rejection and are specified where a soft, neutral appearance is desired. These films are made with sputtered technology, creating a film that allows for very uniform visible light transmission. Neutral films are scratch-resistant and shield 99% of UV rays.