



Designed to reduce intensity of 'Electromagnetic Waves'

What is Defendo ?

This film helps in reducing the intensity of harmful 'Electromagnetic Waves'. It blocks 99% harmful UV rays, cuts glare, conserves energy and provides clearer vision at night.

5 in 1 Get Protection

Features:

- Reduces intensity of 'Electromagnetic Waves'
- Blocks 99% UV rays
- Cuts glare upto 84%
- Total Solar Energy Rejection upto 75%
- Improves outward vision
- Made with Unique Ultra Clear Dry adhesive(UCD)

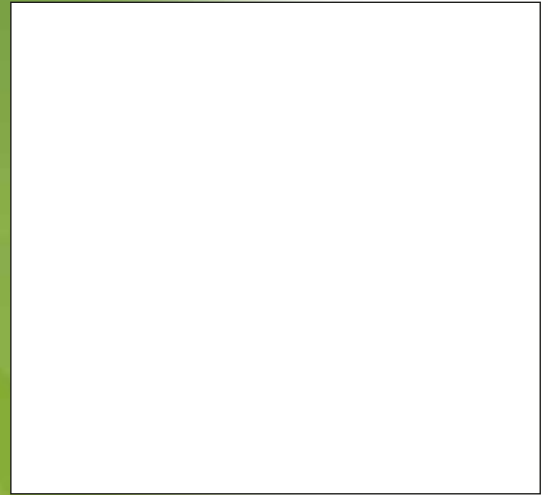
Benefits:

- Reduces infiltration of harmful 'Electromagnetic' Waves
- Protects against harmful skin problems due to blocking of UV rays
- Prevents fading of interiors & furniture due to blocking of UV rays
- Provides comfortable working environment due to reduction of glare
- Conserves energy due to high level of Total Solar Energy Rejection
- Provides clearer vision at night

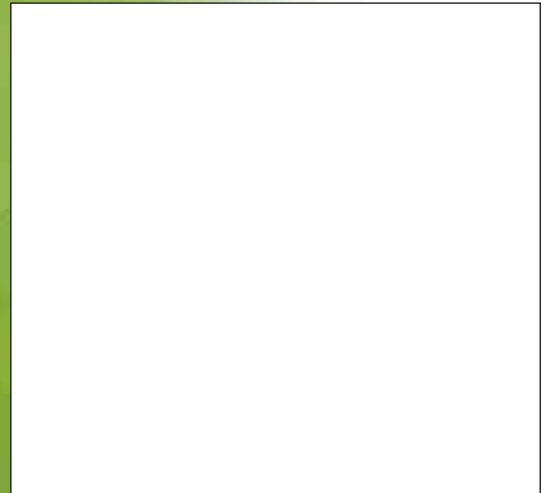
Additional Benefits:

- Conserves ecology by being an Ecofriendly 'Polyester Film'
- Ease of application due to the unique Ultra Clear Dry adhesive
- Compliments the Green Building concept

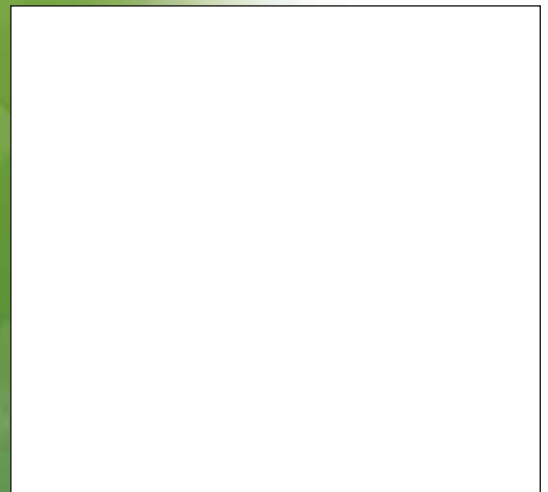
CHARCOAL 15



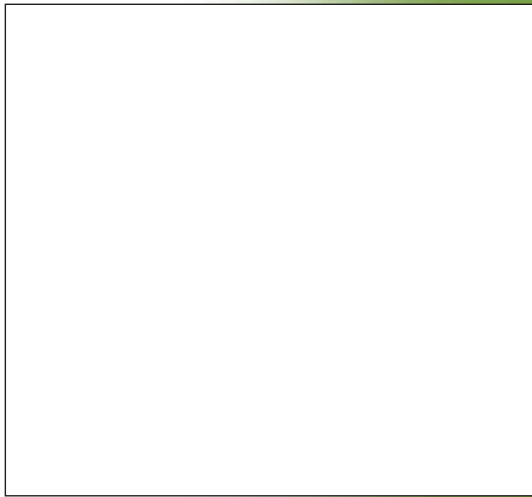
CHARCOAL 25



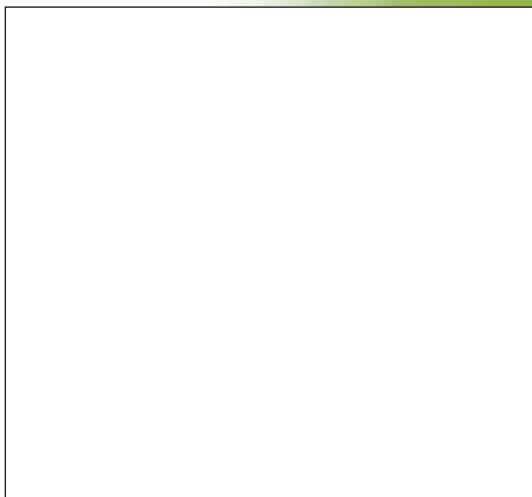
CHARCOAL 45



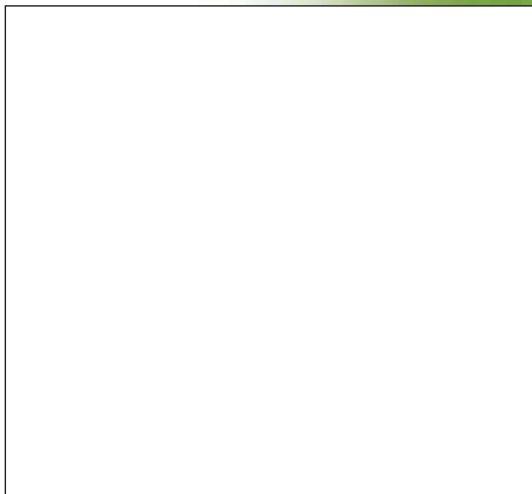
CHARCOAL 15



CHARCOAL 25



CHARCOAL 45



Applications:

- Façade Glazing
- Window Glazing
- Shop Front Glasses
- Skylights
- Atrium

Segments:

- Banks
- Malls
- Hospitals
- Hotels
- Corporate Offices
- Residences
- Commercial Buildings
- Airports
- Government Buildings
- Educational Institutions

PRODUCT SPECIFICATIONS

	CHARCOAL 15	CHARCOAL 25	CHARCOAL 45
THICKNESS	2 MIL	2 MIL	2 MIL
VISIBLE LIGHT TRANSMITTANCE	15 %	23 %	45 %
VISIBLE LIGHT REFLECTANCE	47 %	40 %	15 %
SOLAR ENERGY TRANSMITTANCE	13 %	19%	36 %
SOLAR ENERGY REFLECTANCE	44 %	36 %	14 %
SOLAR ENERGY ABSORBANCE	43 %	45 %	50 %
ULTRA VIOLET TRANSMITTANCE	<1	<1	<1
GLARE REDUCTION	84 %	74 %	51 %
SHADING COEFFICIENT	0.29	0.36	0.57
EMISSIVITY	0.77	0.68	0.75
U FACTOR (BTU/HR./SQ.FT.)	1.08	1.03	1.07
TOTAL SOLAR ENERGY REJECTION	75 %	69 %	50 %

Other Salient Features

- Garware Suncontrol Defendo window film has the unique property of reducing the intensity of 'Electromagnetic Waves'.
- Garware Suncontrol Defendo window film is based on international technology, with strong 'Dry Adhesive' for better bonding with the glass surface & ease of application.



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International Subsidiaries: US & UK

Resident Sales Representatives: Russia, Malaysia, China, Middle East & Brazil