



## **Architectural Window Film**

### Data Sheet

#### **SolarZone™ Interior**

#### **OptiTune™ 05, 15, 22, 30, 40**

#### Introduction

The SolarZone Dual Reflective product lines - OptiTune and Titan™ - combine a reflective outer layer for high solar energy rejection with a less reflective inner layer to preserve the view outside and maintain indoor ambience. All films deliver high levels of protection from solar heat. The films cut costs by reducing the need for air conditioning and boosting energy efficiency - a sustainable solution.

#### Typical Usage

- For interior applications - OptiTune combines high solar energy rejection with low internal reflectance. Its warm neutral grey tone targets both residential and commercial use.

#### Product Construction

Face: OptiTune 05, 15, 22, 30, 40

Adhesive: Pressure sensitive solvent based

Liner: PET

#### Certificates

Fire Certificate: DIN EN 13501-1: 2010 B-s1, d0



Hanita Coatings

## Shelf Life and storage conditions:

When stored in original packaging upon arrival at the customer: 2 years.  
Recommended Storage conditions are 20 °C ( $\pm 2$  °C) with 50 %RH ( $\pm 5$ %).

## Key Features

- OptiTune neutral grey films are available with water activated adhesive
- OptiTune is available in a wide range of Visible Light Transmissions, (“VLT”) in a subtle neutral grey appearance, with a highly effective heat rejecting semi-reflective exterior, and a subtle interior.

## Film Performance

Warranted Durability in Years:

	OptiTune 05	OptiTune 15	OptiTune 22	OptiTune 30	OptiTune 40
Durability	12	12	12	12	12



Optical & Solar Properties

Glazing Unit: Pane Single Clear 3mm	OptiTune 05	OptiTune 15	OptiTune 22	OptiTune 30	OptiTune 40
Visible Light Transmitted %	6	13	21	32	41
Visible Light Reflected - Interior %	15	25	15	26	18
Visible Light Reflected - Exterior %	63	56	32	32	21
UV Block %	99	99	99	99	99
Total Solar Energy Reflected %	56	51	31	32	22
Total Solar Energy Transmitted %	6	12	18	25	33
Total Solar Energy Absorbed %	38	37	51	43	45
Emissivity (Room Side)	0.75	0.76	0.80	0.81	0.83
Glare Reduction %	93	85	77	63	54
Selective InfraRed Reduction %	94	88	83	79	71
InfraRed Energy Reduction %	82	77	68	65	57
Shading Coefficient	0.19	0.26	0.38	0.44	0.54
Solar Heat Gain Coefficient (G-Value)	0.16	0.22	0.33	0.37	0.46
U-Value Winter (IP)	0.99	1.00	1.02	1.03	1.04
U-Value Winter (SI)	5.62	5.68	5.79	5.85	5.91
Luminous Efficacy	0.32	0.50	0.55	0.75	0.76
Total Solar Energy Rejected	84	78	67	63	54



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