

## Technical Bulletin 5.2

### Mactac Solar properties of MT Glass Decor series

The present Technical Bulletin provides detailed information on the solar properties of the Mactac Glass Decor series.

#### OPTICAL PROPERTIES

Measurements performed on VARIAN CARY 5000 UV – VIS – NIR (ultra violet – visible – near infrared).  
Results calculated according to EN 410 norm.

#### MACal GLASS DECOR 700

<i>Optical Properties</i>	<b>708-00</b>	<b>738-00</b>	<b>748-00</b>	<b>758-00</b>	<b>778-00</b>	<b>798-01</b>	<b>798-02</b>	<b>798-01 BF</b>
<b>% Energetic Reflexion</b>	22.9	23.8	23.2	23.8	24.8	22.1	8.4	22.4
<b>% Luminus Reflexion</b>	24.0	22.9	23.7	23.8	23.7	22.9	9.5	23
<b>% Energetic Transmission</b>	38.8	48.7	49.0	49.8	50.3	56.8	75.0	69
<b>% Luminus Transmission</b>	43.5	50.1	54.0	52.9	56.0	62.6	82.2	70.6
<b>% Luminus Absorption</b>	32.5	27.0	22.4	23.5	24.9	21.1	8.3	6.4
<b>% Energetic Absorption</b>	38.3	27.4	27.9	26.4	20.2	14.4	16.6	8.6
<b>% U.V. Blocked</b>	81.3	83.6	82.1	80.2	87.1	76.6	68.0	69.4
<b>% U.V. Transmission</b>	18.8	16.4	17.9	19.8	12.9	23.4	32.0	30.4

#### MACal GLASS DECOR 500 and Window Etch Film

<i>Optical Properties</i>	<b>598-03</b>	<b>598-03 BF</b>	<b>Window Etch Film</b>
<b>% Energetic Reflexion</b>	19.3	19.9	8.4
<b>% Luminus Reflexion</b>	19.9	20.5	8.9
<b>% Energetic Transmission</b>	70.1	69.2	87.1
<b>% Luminus Transmission</b>	73.1	72.7	90.1
<b>% Luminus Absorption</b>	7	6.8	1
<b>% Energetic Absorption</b>	10.6	10.9	4.5
<b>% U.V. Blocked</b>	89.1	94.8	72.6
<b>% U.V. Transmission</b>	10.9	5.2	27.4

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