

# Clear Safety & Security Films

Optically Clear  
Anti-Fragmentation  
Window Film

| <b>Optical and Solar Properties:</b> | <b>4 Mil Clear</b>         | <b>7 Mil Clear</b>         | <b>8 Mil Clear</b>                       | <b>12 Mil Clear</b> | <b>15 Mil Clear</b> |
|--------------------------------------|----------------------------|----------------------------|--|---------------------|---------------------|
| Visible Light Transmitted            | 89%                        | 89%                        | 88%                                      | 87%                 | 87%                 |
| Visible Light Reflected              | 10%                        | 10%                        | 11%                                      | 11%                 | 11%                 |
| UV Radiation Rejected                | 96%                        | 96%                        | 99%                                      | 99%                 | 99%                 |
| Total Solar Energy Reflected         | 9%                         | 10%                        | 9%                                       | 10%                 | 11%                 |
| Total Solar Energy Transmit.         | 81%                        | 81%                        | 80%                                      | 78%                 | 78%                 |
| Total Solar Energy Absorbed          | 10%                        | 9%                         | 11%                                      | 12%                 | 11%                 |
| Shading Coefficient                  | 0.96                       | 0.96                       | 0.95                                     | 0.94                | 0.94                |
| Total Solar Energy Rejected          | 16%                        | 16%                        | 17%                                      | 18%                 | 18%                 |
| Item Number                          | R12306T                    | R19801T                    | R22301T                                  | R32303T             | R39803T             |
| Accreditation                        | 1,2,3,4,7                  | 1,2,4,                     | 1,2,4,7                                  | 5,6,8,9,10,         |                     |
| <b>Optical and Solar Properties:</b> | <b>4 Mil Anti-Graffiti</b> | <b>6 Mil Anti-Graffiti</b> | <b>6 Mil Anti-Graffiti Xtra Exterior</b> |                     |                     |
| Visible Light Transmitted            | 89%                        | 88%                        | 88%                                      |                     |                     |
| Visible Light Reflected              | 10%                        | 11%                        | 10%                                      |                     |                     |
| UV Radiation Rejected                | 90%                        | 96%                        | 100%                                     |                     |                     |
| Total Solar Energy Reflected         | 9%                         | 9%                         | 9%                                       |                     |                     |
| Total Solar Energy Transmit.         | 81%                        | 80%                        | 79%                                      |                     |                     |
| Total Solar Energy Absorbed          | 10%                        | 11%                        | 12%                                      |                     |                     |
| Shading Coefficient                  | 0.96                       | 0.95                       | 0.95                                     |                     |                     |
| Total Solar Energy Rejected          | 16%                        | 17%                        | 18%                                      |                     |                     |
| Item Number                          | R12305G                    | R1731G                     | R173G1X, R1731XP                         |                     |                     |

#### Accreditation Key:

#### International glass safety standards:

1. **EN 12600**–European glass impact test
2. **ANSI Z-97 1 US break-safe test**
3. **BS 6206 British glass impact test**
4. **CPSC 1201 US break-safe test, more rigorous than ANSI**
5. **EN 356 European test for resistance to manual attack**
6. **DIN 52290 German impact test using 9lb steel ball drop**
7. **GSA level C blast testing**
8. **UL 972 Standard for Burglary Resisting Glazing material**

Performance results are calculated on 3mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.

Hanita Coatings RCA Ltd  
Kibbutz Hanita, 22885, Israel  
Tel: +972 4 9859919  
Fax: +972 4 9859920  
[safety@hanitacoatings.com](mailto:safety@hanitacoatings.com) | [www.hanitacoatings.com](http://www.hanitacoatings.com)



Hanita Coatings