

## ORCHID GOLD

White Coated Duplex Board

**HWC/GB**

GSM Range: 230 - 450

Technical Specification Sheet

| Parameter        | Unit              | Tolerance | Value        |              |              |              |              |              |              |              |              |
|------------------|-------------------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Basic Weight     | GSM               | ±3%       | 230          | 250          | 285          | 300          | 320          | 350          | 360          | 380          | 400          |
| Calliper         | Micron            | ±5%       | 275          | 300          | 345          | 380          | 400          | 440          | 455          | 480          | 505          |
| Bulk             | cc/gm             | ±5%       | 1.20         | 1.20         | 1.20         | 1.25         | 1.25         | 1.26         | 1.26         | 1.26         | 1.26         |
| BF               |                   |           | 16           | 16           | 16           | 16           | 16           | 16           | 16           | 16           | 16           |
| Cobb Value (Max) | gm/m <sup>2</sup> |           | T-35<br>B-45 | T-35<br>B-45 | T-35<br>B-45 | T-35<br>B-45 | T-35<br>B-45 | T-35<br>B-45 | T-35<br>B-45 | T-35<br>B-45 | T-35<br>B-45 |
| Coat Wt.         | GSM               | ±1        | 18           | 18           | 20           | 20           | 20           | 20           | 20           | 20           | 20           |
| Stiffness        | gm.cm             | ±5%       |              |              |              |              |              |              |              |              |              |
| MD               |                   |           | 50           | 60           | 90           | 110          | 120          | 150          | 160          | 185          | 200          |
| CD               |                   |           | 25           | 30           | 45           | 50           | 60           | 70           | 80           | 80           | 90           |
| Ratio            |                   |           | 2.0          | 2.0          | 2.0          | 2.2          | 2.0          | 2.1          | 2.0          | 2.3          | 2.2          |
| Brightness       | %                 | ±1        | 78           | 78           | 78           | 78           | 78           | 78           | 78           | 78           | 78           |
| Gloss            | %                 | ±5        | 45           | 45           | 45           | 45           | 45           | 45           | 45           | 45           | 45           |
| SOA (Min)        | Sec               |           | 1400         | 1400         | 1400         | 1400         | 1400         | 1400         | 1400         | 1400         | 1400         |
| Smoothness       | MI/min            | ±30       | 120          | 120          | 120          | 120          | 150          | 150          | 150          | 150          | 150          |
| Wax Pick         |                   |           | 7A<br>Clear  | 7A<br>Clear  | 7A<br>Clear  | 7A<br>Clear  | 7A<br>Clear  | 7A<br>Clear  | 7A<br>Clear  | 7A<br>Clear  | 7A<br>Clear  |
| Moisture         | %                 |           | 6.5          | 6.5          | 6.8          | 7.0          | 7.0          | 7.5          | 7.5          | 7.8          | 8.0          |

### CONSTRUCTION



TOP COAT  
PRE COAT  
SIZE COAT  
TOP LAYER  
PROTECTIVE LAYER  
FILLER LAYER  
BOTTOM LAYER  
SIZE COAT

Printed on  
Orchid Gold  
320 GSM