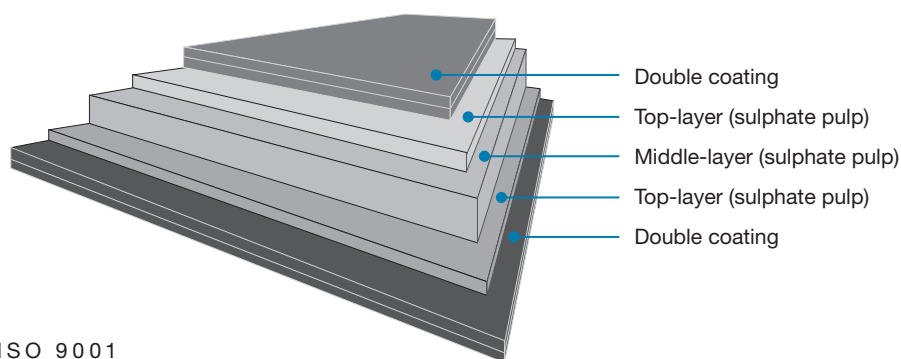


# Ensocoat 2S

## Two-side coated SBS board



ISO 9001

Issued: 01.2010  
Cancels: 09.2007

### Specifications for Ensocoat 2S:

| Property / Unit                     | Tolerance |      |      |      |      |      |      |      |      |       |  | Standards       |
|-------------------------------------|-----------|------|------|------|------|------|------|------|------|-------|--|-----------------|
| Grammage, g/m <sup>2</sup>          | ± 4 %     | 190  | 220  | 240  | 270  | 300  | 350  | 400  | 450  | 500   |  | ISO 536         |
| Thickness, µm                       | ± 4 %     | 185  | 230  | 255  | 290  | 330  | 400  | 450  | 520  | 600   |  | ISO 534         |
| Bending stiffness DIN 5° MD, mNm    | - 15 %    | 4.7  | 7.2  | 11.1 | 16.2 | 22.1 | 37.4 | 55.3 | 72.3 | 102.0 |  | ISO 2493        |
| Bending stiffness DIN 5° CD, mNm    | - 15 %    | 2.7  | 4.0  | 5.1  | 7.7  | 11.1 | 18.3 | 26.4 | 34.0 | 48.5  |  |                 |
| Bending moment Taber 15° MD, mNm    | - 15 %    | 2.7  | 4.1  | 6.3  | 9.2  | 12.6 | 21.3 | 31.4 | 41.1 | 58.0  |  |                 |
| Bending moment Taber 15° CD, mNm    | - 15 %    | 1.5  | 2.3  | 2.9  | 4.3  | 6.3  | 10.4 | 15.0 | 19.3 | 27.5  |  |                 |
| Bending resistance L&W 15° MD, mN   | - 15 %    | 55   | 85   | 130  | 190  | 260  | 440  | 650  | 850  | 1200  |  |                 |
| Bending resistance L&W 15° CD, mN   | - 15 %    | 32   | 47   | 60   | 90   | 130  | 215  | 310  | 400  | 570   |  |                 |
| Moisture, %                         |           | 6.5  | 6.5  | 6.5  | 6.5  | 6.5  | 6.5  | 6.5  | 6.5  | 6.5   |  | ISO 287         |
| ISO Brightness C/2°, %              |           | 95   | 95   | 95   | 95   | 95   | 95   | 95   | 95   | 95    |  | ISO 2470        |
| CIE Whiteness D65/10°               |           | 125  | 125  | 125  | 125  | 125  | 125  | 125  | 125  | 125   |  | ISO 11475       |
| L*                                  |           | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  |  | SCAN-P72        |
| a*                                  |           | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5   |  |                 |
| b*                                  |           | -7.1 | -7.1 | -7.1 | -7.1 | -7.1 | -7.1 | -7.1 | -7.1 | -7.1  |  |                 |
| Surface Smoothness PPS 10, µm       | max 1.4   | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  | 0.9   |  | ISO 8791-4      |
| Surface Smoothness Bendtsen, ml/min |           | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20    |  | ISO 8791-2      |
| Scott Bond, J/m <sup>2</sup>        |           | 220  | 220  | 220  | 220  | 220  | 220  | 220  | 220  | 220   |  | TAPPI 569 pm-00 |
| Gloss 75°, %                        |           | 48   | 48   | 48   | 48   | 48   | 48   | 48   | 48   | 48    |  | ISO 8254-1      |

Optical and surface properties valid for both sides

All properties according to Imatra Mill measurements.

Test climate 23°C/50% RH (According to ISO 187). In order to verify, reel/pallet average shall be based on 5 single measurements randomly sampled within the reel/pallet. These averages will be for at least 19 of 20 reels/pallets within the specification limits.

Imatra Mills have certified FSC and PEFC Chain-of-Custody (CoC) systems as well as certified hygiene management system.

FSC: Certificate registration code SA-COC-001548 and SA-CW-001548  
PEFC: Certificate registration no. 46786-2009-AE-FIN-FINAS



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