

DIN EN 300:2006-09 (E)

Oriented Strand Boards (OSB) - Definitions, classification and specifications

| Contents | | Page |
|---|--|-------------|
| Foreword | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 6 |
| 4 | Classification of boards | 7 |
| 5 | General requirements for all OSB types | 7 |
| 6 | Requirement values | 9 |
| 7 | Requirements for non load-bearing boards, general purpose boards and boards for interior fitments for use in dry conditions (Type OSB/1) | 9 |
| 8 | Requirements for load-bearing boards for use in dry conditions (Type OSB/2) | 10 |
| 9 | Requirements for load-bearing boards for use in humid conditions (Type OSB/3) | 11 |
| 9.1 | General | 11 |
| 9.2 | Mechanical and swelling properties | 11 |
| 9.3 | Moisture resistance | 11 |
| 10 | Requirements for heavy duty load-bearing boards for use in humid conditions (Type OSB/4) | 12 |
| 10.1 | General | 12 |
| 10.2 | Mechanical and swelling properties | 13 |
| 10.3 | Moisture resistance | 13 |
| 11 | Verification of compliance | 14 |
| 11.1 | General | 14 |
| 11.2 | External control, and inspection of an isolated lot | 14 |
| 11.3 | Factory production control | 15 |
| 12 | Marking | 15 |
| 12.1 | Boards marketed within the European Economic Area for construction applications | 15 |
| 12.2 | Other boards | 16 |
| Annex A (normative) EN 1087-1 (Modified procedure) | | 17 |
| Annex B (normative) Voluntary colour coding system for OSB | | 18 |
| Annex C (normative) Supplementary properties | | 19 |
| Bibliography | | 20 |
| Tables Table 1 -- General requirements for all OSB types | | 8 |
| Table 2 -- Non load-bearing boards, general purpose boards and boards for interior fitments for use in dry conditions --Requirements for specified mechanical and swelling properties | | 9 |

| | |
|---|-----------|
| Table 3 -- Load-bearing boards for use in dry conditions -- Requirements for specified mechanical and swelling properties | 10 |
| Table 4 -- Load-bearing boards for use in humid conditions -- Requirements for specified mechanical and swelling properties | 11 |
| Table 5 -- Load-bearing boards for use in humid conditions -- Requirements for moisture resistance | 12 |
| Table 6 -- Heavy duty load-bearing boards for use in humid conditions -- Requirements for specified mechanical and swelling properties | 13 |
| Table 7 -- Heavy duty load-bearing boards for use in humid conditions -- Requirements for moisture resistance | 14 |
| Table 8 -- Maximum intervals between tests for each production line | 15 |
| Table B.1 -- Voluntary colour coding for OSB | 17 |
| Table C.1 - Supplementary properties and test methods | 18 |