

TECHNICAL DATA SHEET

DBHEX103 – P3



1. Tradenames

EGGER P3 Moisture Resistant EUROSPAN®

2. Product Type

EGGER EUROSPAN® Conti particleboards are intended for interior fittings (including furniture) for use in humid conditions (relative humidity of surrounding area only exceeding 85% for a few weeks per year).

Boards of this type are suitable for use in biological hazard classes 1 & 2 of EN 335-3.

2.1 Construction

EGGER P3 particleboard is manufactured to **EN 312- 3:2003** under an **ISO9001:2008** Quality Management System OQS Certificate Number **184/0**.

EGGER P3 particleboard is **FSC** certified through the HolzCert Austria Chain of Custody Certificate **HCA-COC-100017**.

3. Technical Specifications

Testing and conditioned in accordance with EN 312:2003

3.1 General properties and tolerances (ex factory)

| | Method | P3 |
|-------------------------------------|----------|----------------|
| Thickness within and between boards | EN 324-1 | +/- 0.3 mm |
| Length and width | EN 324-1 | +/- 2 mm |
| Edge straightness | EN 324-2 | 1.5 mm per m |
| Squareness | EN 324-2 | 1 mm per m |
| Moisture content | EN 322 | 5 to 7% |
| Mean density within a board | EN 323 | +/- 10% |
| Formaldehyde (perforator value) | EN 120 | E1 (<8mg/100g) |

3.2 Mechanical properties (>6 to 13 mm P3)

| Property | Test Method | Unit | Mean | L5% or U5% | Requirement |
|--|-------------|-------------------|------|------------|-------------|
| Bending Strength | EN310 | N/mm ² | 16.2 | --- | >15.0 |
| Modulus of elasticity | EN310 | N/mm ² | 2670 | --- | >2050 |
| Density | EN323 | kg/m ³ | 664 | --- | |
| Internal bond | EN319 | N/mm ² | 0.54 | --- | >0.45 |
| Thickness swelling | EN317 | % | 9.1 | --- | <14.0 |
| Internal bond after Cyclic | EN321 | N/mm ² | 0.33 | --- | >0.15 |
| Thickness swelling after Cyclic | EN321 | % | 13.0 | --- | <14.0 |

3.3 Mechanical properties (>13 to 20 mm P3)

| Property | Test Method | Unit | Mean | L5% or U5% | Requirement |
|--|-------------|-------------------|------|------------|-------------|
| Bending Strength | EN310 | N/mm ² | 16.2 | 14.2 | >14.0 |
| Modulus of elasticity | EN310 | N/mm ² | 2590 | 2380 | >1950 |
| Density | EN323 | kg/m ³ | 634 | | |
| Internal bond | EN319 | N/mm ² | 0.56 | 0.46 | >0.45 |
| Thickness swelling | EN317 | % | 8.9 | 11.5 | <14.0 |
| Internal bond after Cyclic | EN321 | N/mm ² | 0.32 | 0.21 | >0.13 |
| Thickness swelling after Cyclic | EN321 | % | 10.1 | 12.7 | <14.0 |

3.4 Mechanical properties (>20 to 25 mm P3)

| Property | Test Method | Unit | Mean | L5% or U5% | Requirement |
|--|-------------|-------------------|------|------------|-------------|
| Bending Strength | EN310 | N/mm ² | 14.5 | 12.8 | >12.0 |
| Modulus of elasticity | EN310 | N/mm ² | 2420 | 2250 | >1850 |
| Density | EN323 | kg/m ³ | 614 | | |
| Internal bond | EN319 | N/mm ² | 0.54 | 0.46 | >0.40 |
| Thickness swelling | EN317 | % | 6.7 | 7.9 | <13.0 |
| Internal bond after Cyclic | EN321 | N/mm ² | 0.24 | 0.16 | >0.12 |
| Thickness swelling after Cyclic | EN321 | % | 10.4 | 11.9 | <12.0 |

3.5 Mechanical properties (>25 to 32 mm P3)

| Property | Test Method | Unit | Mean | L5% or U5% | Requirement |
|--|-------------|-------------------|------|------------|-------------|
| Bending Strength | EN310 | N/mm ² | 14.6 | 12.6 | >11.0 |
| Modulus of elasticity | EN310 | N/mm ² | 2340 | 2120 | >1700 |
| Density | EN323 | kg/m ³ | 602 | | |
| Internal bond | EN319 | N/mm ² | 0.46 | 0.40 | >0.35 |
| Thickness swelling | EN317 | % | 6.1 | 7.5 | <13.0 |
| Internal bond after Cyclic | EN321 | N/mm ² | 0.22 | 0.13 | >0.10 |
| Thickness swelling after Cyclic | EN321 | % | 10.8 | 11.9 | <12.0 |

3.6 Mechanical properties (>32 to 40 mm P3)

| Property | Test Method | Unit | Mean | L5% or U5% | Requirement |
|--|-------------|-------------------|------|------------|-------------|
| Bending Strength | EN310 | N/mm ² | 13.6 | 11.9 | >9.0 |
| Modulus of elasticity | EN310 | N/mm ² | 2290 | 2080 | >1550 |
| Density | EN323 | kg/m ³ | 586 | | |
| Internal bond | EN319 | N/mm ² | 0.42 | 0.37 | >0.30 |
| Thickness swelling | EN317 | % | 8.1 | 11.0 | <12.0 |
| Internal bond after Cyclic | EN321 | N/mm ² | 0.19 | 0.16 | >0.09 |
| Thickness swelling after Cyclic | EN321 | % | 9.5 | 10.9 | <11.0 |

Percentile values shown are based on mean values for unconditioned individual boards tested in accordance with EN312-2:2003 and calculated in accordance with EN 326-1.

4.0 Labelling for EUROSPAN®

E EGGER CC EUROSPAN® E1 P3 18 mm CE 08 EN 13986 223 270803312222 13:45

| | |
|--------------|---|
| E EGGER: | Name of the Manufacturing |
| CC: | FSC Chain of Custody identification |
| EUROSPAN®: | Trade Name of the Producer |
| E1: | Formaldehyde Emission class |
| P3: | Product type |
| 18mm: | Thickness |
| CE: | CE mark symbol |
| 08: | Last two digits of the manufacturing year |
| EN 13986: | Number of EC certificate of conformity |
| 223: | SAP Recipe number |
| 270803312222 | Twelve digit code for traceability |
| 13:45 | Time board was produced |

*Note – Board is distinguished from standard P2 grade particleboard by the addition of green dye to the core of the board. This indicates the board has been produced with moisture resistant melamine resin.