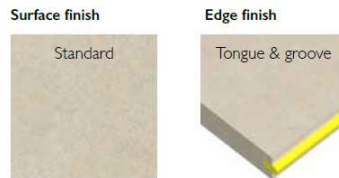


1. Product Description

KalsiFloor Klick is a non combustible fiber cement panel, manufactured on Hatschek machine from a precise combination of cement, silica and natural organic reinforcing fibers. During the production, the boards are cured and stabilized in an autoclave process involving high temperature and pressure control, ensuring a final product with optimum dimensional stability and exceptional mechanical properties.



2. Applications

KalsiFloor Klick is suitable for internal intermediate or laid-on flooring applications,

- can be directly finished with carpeting or vinyl tiles) in residential or office projects
- can be directly finished with reinforced mortar screed/ high performance coating in industrial and heavy-duty applications

It is superb alternative to concrete slabs by offering lightweight solution with simple, fast and clean installation.

3. Benefits

KalsiFloor Klick is an advanced building material, serving as the best alternative to conventional wood or other wood/ cement based products;

- Wide variety of thicknesses and applications
- Dimensionally stable
- Impact resistant
- Moist, mould and water resistant
- Resistant to attack of termites, insects and other vermin
- Easy to install and work with
- Environmental-friendly, no harmful gas emission
- Non combustible

4. Dimensions and tolerances:

Available Dimensions

| Product | Thickness (mm) | Width x Length (mm) |
|------------------|----------------|---------------------|
| KalsiFloor Klick | 19.0 | 600 x 2700 |

Dimensional Tolerance

| | |
|-----------------------|---------|
| Thickness | ± 10 % |
| Width | ± 6 mm |
| Length | ± 8 mm |
| Squareness of Edges | ≤ 0.4 % |
| Straightness of Edges | ≤ 0.3 % |

Weight (ex-works) based on nominal density plus variation

| Thickness (mm) | Weight (kg/m ²) | Weight (kg/ standard sheet) |
|----------------|-----------------------------|-----------------------------|
| 19.0 | +/- 27.00 | +/- 43.7 |

Thicknesses, sizes, and types of the sheets which differ from those available as standard, are available subject to minimum order quantities. Please contact Etex Building Performance Indonesia for more information.

5. Technical Properties

The product has been tested based on internationally recognized standards and test methods for the fiber cement flat sheet and building material requirements such as EN 12467, AS/ NZS 2908.2 ASTM C1185, BS 476 relevant parts on material reaction to fire and EN13501 fire classification standards.

| Physical and Mechanical Properties | Value | Standard |
|--|--------------------------|---------------------------|
| Dimensional Conformity | Passed | AS/NZS 2908.2 |
| - Thickness | | |
| - Length | | |
| - Width | | |
| - Straightness of edges | | |
| - Squareness of edges | | |
| Density (average) | > 1250 kg/m ³ | AS/NZS 2908.2 |
| Bending strength (Type A – Category 3 average) | > 7.0 MPa | AS/NZS 2908.2 |
| (Type B - Category 3 average) | > 10.0 MPa | |
| Bending Elastic Modulus (ambient) | > 8500 MPa | AS/NZS 2908.2 |
| Water absorption | 33 ± 2 % | ASTM C1185 |
| Moisture content | 10 - 15 % | ASTM C1185 |
| Moisture movement (Hygric) – Relative Humidity from 30% to 90% | ≤ 0.05 % | EN 12467:2016 |
| Thermal conductivity | 0.25 W/mK | ASTM C518:2010 |
| Durability (Type A Requirement) | Value | Standard |
| Water permeability | Passed | AS/NZS 2908.2 |
| Warm water performance | Passed | AS/NZS 2908.2 |
| Heat-rain performance – Category A | Passed 50 Cycles | EN 12467:2016 |
| Soak-dry performance – Category A | Passed 50 Cycles | EN 12467:2016 |
| Frost resistance | Passed 50 Cycles | AS/NZS 2908.2 |
| Reaction to Fire | Value | Standard |
| Non Combustibility | Non Combustible | BS 476 Part 4:1970 |
| Heat Release Smoke Production and Mass Loss | Group 1 | ISO 5660 Part 1:2015 |
| Fire Hazard Properties | | |
| Ignitability Index | 0 | AS 1530 Part 3:1999 |
| Spread of Flame Index | 0 | |
| Heat Evolved Index | 0 | |
| Smoke Development Index | 1 | |
| Heat Emission | Pass | BS 476 Part 11:1982 |
| Fire classification using test data from reaction to fire tests | Class A1 | EN 13501-1:2007 + A1:2009 |

All material properties and physical performance are mean values given for information and guidance only. If certain properties are critical for particular application, it is advisable to consult Etex Building Performance Indonesia. Etex Building Performance Indonesia reserves the right to amend this information sheet without prior notice.

6. Health and safety aspects

During the mechanical machining of panels, airborne dust which may be hazardous to health, may be released.

Avoid direct contact of dust with skin and eyes as they may cause irritation.

The use of dust extraction equipment is advised. Respect regulatory occupational exposure limits for total inhalable and respirable dust.

For more information, please check the Material Safety Data Sheet before working with the product.

7. Certification

All Etex Building Performance Indonesia products are manufactured in line with the ISO standards. Etex Building Performance Indonesia manufacturing facility achieved the certificates of ISO 9001:2008, ISO 14001:2015 and OHSAS 18001:2007. These certificates can also be downloaded from www.kalsi.co.id.

----- End of Session -----

For technical assistance please contact:

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