



**Kaswell Flooring Systems**  
NEXT GENERATION FLOORING, LLC  
*The wood block flooring specialists*

**Kaswell Fibre[B]lock® II Synthetic Floor Block**  
Typical Physical and Mechanical Property Values

| S. No. | Property                         | ASTM Test Method | Test Value (1,2)                 |
|--------|----------------------------------|------------------|----------------------------------|
| 1      | Specific Gravity                 | D2395            | 0.95 – 1.00                      |
| 2      | Modulus of Elasticity            | D6109            | 220,000 psi                      |
| 3      | Modulus of Rupture               | D6109            | 1,750 psi                        |
| 4      | Nail withdrawal 8d galv ring (3) | D1761            | 238 lbs./inch                    |
| 5      | Screw withdrawal 8d (4)          | D1761            | 400 lbs./inch                    |
| 6      | Hardness                         | D143             | 1,012 lbs.                       |
| 7      | Compression strength             | D1037            | 2,104 psi                        |
| 8      | Water absorption % (24-hrs)      | D1037            | Unsanded – less than 1%          |
| 9      | Water absorption % (24-hrs)(5)   | D1037            | Sanded – less than 2.25%         |
| 10     | Thickness swelling % (24-hrs)    | D1037            | Less than 0.5%                   |
| 11     | Coef. of thermal expansion       | D696             | $23.6 \times 10^{-6}$ (in/in/°F) |
| 12     | Fungal Decay                     | D1413            | No Decay                         |
| 13     | Termite Resistance               | D3345            | Rating 19 (No weight loss)       |
| 14     | Flame Spread                     | E84              | 105                              |
| 15     | Smoke Index                      | E84              | Under 200                        |
| 16     | Flash Ignition Temperature       | D1929            | Test under progress              |

**Material Safety Data Sheet: (OEM Wood/Polymer Composite)**

**PHYSICAL PROPERTIES**

Physical state: Solid

Melting Point: Not applicable

Boiling Point: Not applicable

Flashpoint (method): Not applicable

%Volatile by volume: Not applicable

pH (as is): Not applicable

**FIRE AND EXPLOSION HAZARD**

Extinguishing media: Water, foam, and dry chemical

Special Fire-fighting Procedures: Use water to keep exposed product cool.

For fires in enclosed areas, fire fighters must use self- contained breather apparatus.

Unusual Fire and Explosion Hazards: Combustion may generate toxic fumes. Decomposition

By-products may include: carbon monoxide, aldehydes, organic acids, ketones, and low molecular weight hydrocarbons. High dust levels may create potential for explosion. Estimated flashpoint >430F.

NFPA Hazard ID: Health 0, Flammability: 1, Reactivity: 0

**SPILL, RELEASE AND WASTE DISPOSAL**

Sweep spilled material and discard in approved disposal container. Dispose of in accordance with local, state and federal regulations. Do not generate airborne dust in the presence of an ignition source when sawing, cutting, or grinding. Avoid breathing dust. Avoid contact with strong oxidizing agents. Product is heavier than normal wood. Lift carefully.

**HEALTH HAZARDS**

Direct contact with eye or skin may cause irritation. Breathing concentrated dust or vapors may cause respiratory irritation. Some wood species may contain natural toxins, which may cause dermatitis or allergic reactions in sensitized individuals.

TLV: not established

OSHA permissible Exposure Limit: not established

Primary Route(s) of entry: Skin contact, inhalation, and ingestion

Effects of overexposure: Repeated skin contact may cause dermatitis or respiratory reactions with asthma-like symptoms in sensitized individuals.

**PERSONAL PROTECTION**

Eyes: Not required

Respiratory: Not required

Equipment apparel: Not required

Ventilation: Provide adequate ventilation. Use local exhaust fan if necessary.

## **First Aid Procedures**

Inhalation: Remove to fresh air. Obtain medical attention if symptoms persist.

Eye Contact: Immediately flush eyes with water and continue washing for at least 15 minutes. Do not remove contact lenses, if worn. Obtain medical attention without delay preferably from an ophthalmologist.

Skin Contact: Wash skin with soap and water. Obtain medical attention if irritation persists.

Swallowing: If patient is fully conscious, immediately dilute with two glasses of water or milk.

DO NOT induce vomiting. Any material aspirated during vomiting may cause lung injury. Obtain medical attention.

## **HAZARDOUS INGREDIENTS INFORMATION**

The identity of individual components of this mixture is proprietary information and is regarded to be a trade secret. One or more of the components present in greater than 1% concentration may present the following health effects based on evaluation of the individual components: May cause eye, skin, or respiratory irritation. The above effects are based on evaluation of individual components and the relevancy to the mixture as a whole or to humans is unknown. Excessive exposure may cause similar effects. In humans, one or more of the individual components may cause the following health effects: May be irritating to eyes and skin and respiratory system.

Substance Name Weight %

Wood Fiber Dust 40-60

Polymer 40-60

Additives / Filler > 15

Contains used thermoplastics and waste wood. Plastic obtained primarily from reclaimed/recycled grocery bags and stretch film. Standard product is approximately 40% - 60% thermoplastic and 40% - 60% wood fiber / filler.

## **STORAGE AND HANDLING**

It is recommended that this material be stored in a cool, well-ventilated area, avoiding open flames, strong oxidizing agents or other sources of ignition. Support every two feet on a flat surface.

## **TRANSPORT INFORMATION**

Not regulated as a hazardous material by the US DOT. Not listed as a hazardous material in Canadian Transportation of Dangerous Goods (TDG) regulations.

Users Responsibility: The information contained in this **Material Safety Data Sheet** is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the users responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.