

## Safety Data Sheet – KOROK® Panel

### 1. Identification

**Product Name:** KOROK® Panel

**Other Trade Names:** Speedwall, HPW Panel.

**Appearance:** KOROK® is a building panel consisting of two seamed steel panels filled with an inner layer of aerated concrete. It has no particular odour. The panels dimensions filled are 51 or 78mm thick, 250mm wide and up to 9.3m long.

**Uses:** Used in the construction industry as Fire and Acoustic rated wall systems, suitable for lift shafts, ducts and stairs, intertenancy walls, cinema walls, warehouse walls and external sheds.

#### Manufacturer:

**Name:** KOROK® Building Systems NZ Ltd.

**Address:** 22 Norris Avenue PO Box 20182  
Hamilton 3200 Te Rapa  
Hamilton 3241

**Phone:** +64 7 849 7062

**Mobile:** +6421 402 888

**Email:** info@korok.com

**Website:** <https://korok.com/>

**Emergency Contacts:** Emergency Services (Fire, Ambulance, Police) – Dial 111  
National Poisons Information Centre – 0800 764 766 (0800 POISON)  
Company Contact – +64 7 849 7062

### 2. Hazard Identification

#### **Statement of Hazardous Nature:**

This preparation is not classified as a health or environmental hazard according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

Not classified as a Dangerous Good according to NZS 5433.

KOROK® panels are robust building materials and in their intact state do not create a health risk. The dust generated when the panels are cut or machined are similar to those from other concrete products. Inhalation of respirable dust generated from the product has associated health risks, outlined below.

#### **Hazard Statements:**

Relating to crystalline silica that may be present in dust formed from this product:

May cause cancer through the inhalation of respirable silica dust.

May cause damage to lungs through prolonged or repeated exposure to fine respirable silica dust.

#### **Prevention Statements:**

Read label and safety data sheet before use.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust or fumes.

Wash hands thoroughly after handling.

Use personal protective equipment as required (see Section 8).

### 3. Composition & Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Portland cement	65997-15-1	<44
Low carbon steel	12597-69-2	<24
Washed fine sand (silica)	14808-60-7	<7
Detergent-based foaming agent	-	<1
Polypropylene filaments	9003-07-0	<1
Water	7732-18-5	to 100%

#### 4. First Aid Measures

New Zealand Poisons & Hazardous Chemicals National Information Centre  
phone 0800 POISON – 0800 764 766

For exposure to dust resulting from cutting or fragmentation of the panel:

**If exposed or concerned, seek medical advice.**

**Eyes:** IF IN EYES, flush with copious amounts of water. Remove contact lenses, if present and easy to do. Avoid rubbing while rinsing the eye. If irritation persists, seek medical attention/advice.

Potential health effects:

**Acute Health Effects:** The health effect of dust from KOROK® are those due to an alkaline irritating dust. May cause irritation to the eyes and skin on contact. Inhalation of dust may cause irritation of the nose, throat and respiratory tract.

**Chronic Health Effects:** Repeated inhalation of dust may result in excessive mucous and coughing. Repeated inhalation of respirable crystalline silica, a component of KOROK® dust, may cause bronchitis, silicosis (scarring of the lung), chronic obstructive pulmonary disease and lung cancer, and increases the risk of scleroderma (connective tissue disease) and renal disease. Occupational exposure to crystalline silica dust has been evaluated by the International Agency for Research on Cancer (IARC) as 'Carcinogenic to humans' (Group 1).

**Skin:** IF ON SKIN, wash with soap and water. If irritation occurs, seek medical advice. Remove clothing and wash before re-use if contaminated with dust.

**Ingestion:** Not an expected route of exposure. IF SWALLOWED, rinse mouth with water and give water to drink. Do NOT induce vomiting. If gastrointestinal discomfort occurs, seek medical attention.

**Inhalation:** IF INHALED, remove person to fresh air. If breathing difficulties persist, give oxygen and seek medical attention.

**Advice to Doctor:** Treat symptomatically.

#### 5. Fire Fighting Measures

**Flammability:** Non-flammable product.

**Extinguishing media:** Use appropriate for surrounding materials. Prevent contamination of drains or water ways.

**Hazardous Combustion products:** Carbon and nitrogen oxides may be formed.

**Fire-fighting instructions:** No product-related fire-fighting instructions specified.

#### 6. Accidental Release Measures

**Spills:** Offcuts, general waste and dust should be collected for disposal with other construction materials. Waste should be placed in containers and disposed of at an approved landfill site or with an approved waste disposal contractor. Disposal waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Notice 2017.

Collect dust by wet sweeping or vacuuming to ensure minimal dust generation. Wear protective clothing including eye/face protection (see section 8). Avoid inhaling dust or fume.

**Environmental Precautions:** Prevent dust from entering storm water, sewer drains and watercourses.

#### 7. Handling & Storage

Safe Handling

Before use carefully read the product label and safety data sheet. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Do not breathe dust or fume.

Use of safe work practices are recommended to avoid eye or skin contact.

Observe good personal hygiene. Wash hands thoroughly after handling. Provide eye wash stations. Prohibit eating, drinking and smoking in work areas.

Storage

No special storage requirements are considered necessary for this product.

#### 8. Exposure Controls & Personal Protection

Exposure Standards

**Workplace Exposure Standards (WES):**

Ingredient	CAS Number	TWA
Silica, crystalline		0.1 mg/m <sup>3</sup> (respirable dust)
Portland cement	65997-15-1	3 mg/m <sup>3</sup> 1 mg/m <sup>3</sup> (respirable dust)
Particulates not otherwise classified	-	10 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> (respirable dust)

\*Workplace Exposure Standards and Biological Exposure Indices (2018).

## Engineering Controls

**Ventilation:** All work with KOROK® products should be carried out in such a way as to minimise exposure to dust. Whenever practicable, the generation of dust on construction sites should be reduced by supplying panels in pre-cut, ready-to-install forms, and any cutting or machining should be done in segregated, well-ventilated work areas.

Machining, sawing, drilling or routing of panels should be done with equipment fitted with local exhaust ventilation to remove airborne dust at source. General dilution ventilation should be provided as necessary to keep airborne dust below recommended exposure concentrations. Keep work areas clean by regular vacuuming or wet sweeping.

## Personal Protection (PPE)

**Eyes/Face:** Non-fogging, dust resistant safety glasses, safety goggles or face shield (AS/NZS 1337) should be worn if dust generation is likely (e.g. when using power tools).

**Skin:** Long sleeve shirts and trousers are recommended if skin irritation occurs. Comfortable work gloves should be worn (AS/NZS 2161). Wash work clothes regularly.

**Respiratory:** Avoid breathing dust. If risk of inhalation exists (i.e. dust generation), a class P1 or P2 particulate respirator or cartridge dust mask should be worn. Respirators should comply with AS/NZS 1716 and be selected, used and maintained in accordance with AS/NZS 1715.

---

## 9. Physical & Chemical Properties

**Appearance:** Building panel consisting of two seamed steel panels filled with inner aerated concrete layer.

**Odour:** No particular odour.

**pH:** 8 – 11

**Boiling point:** Not applicable.

**Melting point:** Not applicable.

**Specific gravity (water = 1):** 0.6

**Solubility (water):** Insoluble.

**Flash point:** Not applicable.

**Evaporation rate:** Not applicable.

**Vapour pressure:** Not applicable.

**Viscosity (dynamic):** Not applicable.

---

## 10. Stability & Reactivity

**Stability:** Stable under normal conditions.

**Conditions to avoid:** No data available.

**Hazardous decomposition products:** Does not generate hazardous decomposition products.

---

## 11. Toxicological Information

KOROK® panels are robust building materials and in their intact state do not create a health risk. The dust generated when the panels are cut or machined are similar to those from other concrete products. Inhalation of respirable silica dust generated from the product has associated health risks, outlined below. Dust may also cause irritation due to alkalinity of product.

### Health Effects / Symptoms of Exposure

**Acute:** Inhalation of excessive amounts of dust may cause temporary upper respiratory irritation and/or congestion; and irritation of the eyes and skin.

**Skin:** May be abrasive and irritating to the skin, causing itching, redness and dermatitis in some people.

**Eyes:** Dust may be irritation and corrosive to the eyes, resulting in redness, watering and ulceration of the cornea.

**Ingestion:** Ingestion is not an expected route of exposure. May cause abdominal discomfort if ingested.

**Inhalation:** Inhalation of dust may irritate the nose, throat and respiratory tract resulting in sneezing, coughing and increased mucous.

**Genotoxicity:** No effect expected.

**Carcinogenicity:** Crystalline silica inhaled in the form of fine respirable dust has been classified as carcinogenic to humans (IARC).

**Reproductive toxicity:** No data available.

**Chronic:** May cause damage to the lungs through prolonged or repeated exposure. Repeated inhalation of crystalline silica may cause bronchitis, silicosis and lung cancer.

### Toxicological Data

No data available for the product for formed product.

---

## 12. Ecological Information

This product should only be used for its designated purposes and should not be deposited in watercourses.

**Persistence in environment:** No data available.

**Biodegradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility:** No data available.

### Ecotoxicological Data

No data available for the product for formed product.

---

### 13. Disposal Considerations

Product is non-hazardous. Off-cuts and general waste material should be placed in containers and disposed of at an approved landfill site, or burnt in an approved furnace or incinerator, in accordance with local authority guidelines.

---

### 14. Transport Information

Not classified as a Dangerous Good according to NZS 5433:2007

**Proper Shipping Name:** Not applicable.

**Packing Group:** Not applicable.

**UN Number:** Not applicable.

**Marine Pollutant:** Not data available.

---

### 15. Regulatory Information

#### HSNO Approval

This formed product is not classified as a health or environmental hazard according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

---

### 16. Other Information

#### **Abbreviations / Terminology:**

AS/NZS 1337	Personal eye-protection
AS/NZS 1715	Selection, use and maintenance of respiratory protective equipment
AS/NZS 1716	Respiratory protective devices
AS/NZS 2161	Occupational protective gloves
AS/NZS	Joint Australian New Zealand Standard
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
NZS 5433	Transport of Dangerous Goods on Land
TWA	Time Weighted Average
WES	Workplace Exposure Standard

Prepared with reference to: *Hazardous Substances (Safety Data Sheets) Notice 2017*.

**Current Version:** 30 April 2022

#### **Revision Information:**

SDS may be revised from time to time, please ensure you have a current copy.

This revision: Updated SDS to meet New Zealand requirements.

Previous revision dated: No date given.

#### **Disclaimer:**

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

Whilst the information contained in this document is based on data, which, to the best of our knowledge, was accurate and reliable at the time of preparation, no warranty or responsibility can be accepted by us for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information.

--END OF SDS