



# MATERIAL SAFETY DATA SHEET

## 1. Identification of the product and the company

Product Trade Name:	20-20 Fibre Cement
Product Identification:	Fibre cement building board
Product Type:	Article
Product Uses:	Fibre cement building board used on walls as sheathing and render carrier
Company:	Resistant Building Products Ltd 7 Duncrue Place Belfast BT3 9BU
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Website:	www.resistant.co.uk

## 2. Hazard Identification

Resistant's 20-20 FCB fibre cement building board is classified as an article and therefore is not classified as hazardous under Regulation EC 1272/2008.

When the product is installed in it's final application, no hazards are known. During cutting, sanding, drilling etc airborne dust can be released.

Due to the presence of quartz in the raw material used in the manufacture of these products, machining may lead to the release of respirable crystalline silica dust.

Exposure to fine quartz dust can be extremely harmful to health. Excessive inhalation of dust may lead to lung disease and an increased risk of lung cancer.

All the requirements of the Health & Safety at Work Act should be met as well as any general or specific regulations applying to the area where the boards are being machined and installed.

## 3. Composition & Physical Data

Manufactured from mix of cement, quartz sand, organic pulp fibre and water. Zero asbestos or formaldehyde content.

Substance	CAS No.	Content by Weight %
Quartz	14808-6-7	<25%



#### 4. First Aid Measures

Inhalation:	Remove person to fresh air and seek medical advice.
Skin contact:	Rinse and then wash with soap and water.
Eye contact:	Flush with water or saline solution for at least 15 minutes. Seek medical advice if irritation, redness or change of vision occurs.
Ingestion:	Rinse out mouth and then drink plenty of water.
Note:	Should any symptom persist seek medical assistance.

#### 5. Fire Fighting Measures

No special precautions are required. This product is A1 Non-combustible to BS EN 13501-1 and is not an explosion hazard.

#### 6. Accidental Release Measures

Prevent spread of dust from entering drains or water courses. Collect dust using an appropriate performance industrial vacuum cleaner or soak with water and sweep up. Do not dry sweep.

#### 7. Handling & Storage

All manual handling should be carried out in accordance with the Manual Handling Operations Regulations. Boards should be stored flat, raised off the ground on a pallet, in a dry covered and well ventilated area. During transport, the product should be covered.

#### 8. Exposure Controls / Personal Protection

The product in it's intact state does not present a health hazard. Dust created by any machining process (cutting, sanding, drilling etc) may be hazardous to health and controls must be in place to ensure it does not exceed the Workplace Exposure Limits (WEL) listed in HSE EH40 Workplace Exposure Limits.

#### Workplace Exposure Limits (WEL)

Substance:	WEL 8hr TWA
Silica (respirable crystalline):	0.1mg/m <sup>3</sup>

Please check the WEL that are applicable in your country and ensure all local/national regulations are observed.

Where possible machining of the product should be undertaken in well ventilated areas (outside).

When machining use appropriate PPE. Respiratory masks of at least type FFP2 should be worn in accordance with the manufacturer's instructions for correct fitting. Please note type FFP2 is minimum recommendation and requirement for FFP3 based on concentration of dust and exposure time should be considered.

Work clothes exposed to dust should be changed as required and washed regularly.



### 9. Physical & Chemical Properties

Appearance:	Solid
Colour:	Beige/Grey
Odour:	None
Flammability/Combustibility:	Non-flammable & Non-combustible
Solubility in Water:	Insoluble
pH:	10-11 approx.
Density:	1350kg/m <sup>3</sup> approx.

### 10. Stability & Reactivity

Stable under normal conditions of use.

### 11. Toxicological Information

Acute toxicity:	No data available
Skin corrosion/irritation:	Prolonged contact may cause some moderate skin irritation.
Serious eye damage/irritation:	May cause temporary irritation or inflammation.
Respiratory or skin sensitisation:	Not expected to cause sensitisation.
Germ cell mutagenicity:	No known hazard.
Carcinogenicity:	Exposure to substances contained within this product and released as fine respirable dust in high concentrations and/or over repeat/prolonged periods can be extremely hazardous to health and present an increased risk of lung cancer.
Reproductive toxicity:	No known hazard.
Specific Target Organ Toxicity: Single exposure.	May cause irritation to the respiratory system.
Specific Target Organ Toxicity: Repeated exposure.	May lead to chronic lung disease such as silicosis and lung cancer.
Aspiration hazard:	No data available.

### 12. Ecological Information

Toxicity:	No known effects.
Persistence & degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT & vPvB assessment:	No data available.
Other adverse effects:	No data available.

### 13. Disposal Considerations

The waste product is considered construction waste. Collected dust should be treated in a manner that prevents further exposure. Dispose of in a safe manner in accordance with local/national regulations.

### 14. Transport Information

Product is not classified as dangerous for transport and no known special labelling is required.



## 15. Regulatory Information

This product is not classified as hazardous under the EU CLP regulation (EC 1272/2008).

This product is an article as defined according to the definition contained within REACH. As such there is no obligation to classify the substances present in articles. The boards are not considered to contain any substances of very high concern (SVHC) in a concentration >0.1% by weight.

As the product contains substances for which Workplace Exposure Limits (WEL) have been set a workplace work assessment must be carried out by the user.

## 16. Other Information

When cutting a diamond or tungsten carbide tipped blade is recommended for best performance.

This product is only intended for use as defined within current literature and should be fitted in accordance with Resistant Building Products Ltd guidance. This data sheet does not replace the users own workplace risk assessment.

As of issue 2nd November 2020, the foregoing information is believed to be accurate and is provided based on the current state of scientific, technical and legal knowledge. The user should always ensure that they are viewing the current version as amendments and updates will be made as required.

All Resistant products should be fitted in accordance with the manufacturer's guidelines. This information can be obtained from **[www.resistant.co.uk](http://www.resistant.co.uk)** or contacting our Head Office at **+44 (0) 28 9074 9400**.