

<b>SAFETY DATA SHEET</b> according to EU decree 453/2010	
<b>Cement-bonded particle board</b>	Date of preparation: 2009.02.20. Date of modification: 2017.11.21. Page: 1.page, total: 9

## 1. IDENTIFICATION OF THE MATERIAL/PRODUCT AND THE FIRM/COMPANY

### 1.1 Product identification

Trade name :	<b>Cement-bonded particle board</b>
Compound number :	Index number: Not applicable
	CAS number: Not applicable
	ES (EINECS) number: Not applicable

### 1.2 Significant identified applications and suggested utilization of the material or mixture

#### Utilization of the material/product

Conditions of utilization:	construction industry
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### 1.3 Data of the deliverer of the Safety data sheet

#### Manufacturer:

Name: FALCO Zrt.  
Address: 9700 Szombathely, Zanati út 26.  
Tel: +3694/516-600  
Fax: +3694/516-603

#### Distributor:

Name: FALCO Zrt.  
Address: 9700 Szombathely, Zanati út 26.  
Tel: +3694/516-600  
Fax: +3694/516-603

#### Emergency tel:

Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)  
1096 Budapest, Nagyvárad tér 2.,  
Tel. 06-80-20-11-99.

## 2. IDENTIFICATION OF THE DANGER

The product according to the 1272/2008/EK policy (regarding the classification, labeling and packaging of substances and mixtures, amendment and overruling of 67/548/EGK and 1999/45/EK policy, and amendment of 1907/2006/EK policy) ) and its annexes is **not considered to be dangerous**.

Products are not required to be labeled.

**Sing of danger:** no need to be marked

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<b>Symbol of danger:</b> -	

**Inhalation::** While processing the cement-bonded particle board cement dust might turn up, inhaling it should be avoided.

**Eyes:** While processing the cement-bonded particle board cement dust might turn up, which can irritate the eyes.

**H- sentences:**

**H315** Causes skin irritation

**H319** Causes serious eye irritation

**P- sentences:**

**P261** Dust/smoke/gas/fog/mist should be avoided to inhale

**P370 + 261** In case of fire: Dust/smoke/gas/fog/mist should be avoided to inhale

**P332 + P313** In case of skin irritation: medical treatment should be asked for

**P337 + P313** In case the eye irritation remains: medical treatment should be asked for

### 3. MIXTURE/INFORMATION REGARDING COMPONENTS

3.1. Chemical parameters: Board-shaped product, pressed from wood- or other plant particles by adding cement and other possible additives

Content:

raw particle board	18,6 m/m %
portland cement	73,0 m/m %
natron water glass	0,9 m/m %
water	7,5 m/m %

### 4. FIRST AID AND ARRANGEMENTS

**Inhalation:** While processing the cement-bonded particle board cement dust might turn up. The injured must be taken to fresh air.

**Contact with skin:** The skin must be cleaned with plenty of soaked water for at least 10 minutes. Contaminated clothes or shoes must be taken off. In case any complaint a doctor must be visited.

**Contact with the eyes:** While processing the cement-bonded particle board cement dust might turn up, which can irritate the eyes. In case cement dust gets into the eyes, it must be washed with plenty of water for at least 10 minutes, eyelids must be open during the procedure. A doctor must be visited.

**Swallow:** not applicable

There is information about health effects and symptoms in chapter 11.

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## 5. FIRE PROTECTION ARRANGEMENTS

<b>Suitable material to fight the fire:</b>	Suitable material must be used according to the fire and environmental conditions: water flow, dry material, foam
<b>Not suitable material:</b>	-
<b>Dangerous combustion product:</b>	Dangerous combustion product: Carbon-monoxide, carbon-dioxide, nitrogen-oxides
<b>Special protection arrangements:</b>	Firemen must wear anti-static protective clothing, fresh air breathing set with face protection, protective gloves and protective footwear
<b>Fire protection department</b>	Cement-bonded particle board is suitable for MSZ EN 312:201 standard and MSZ EN 14322:2004 standard. According to the 2007/348/EK EU-regulation and the MSZ EN 13986:2004+A1:2015 standard, the product can be categorized into <b>Behavior against fire B-s1, d0 class.</b>

## 6. ACTIONS BY RANDOM EXPOSITIONS

<b>Personal protection</b>	<p>The selection of the respiratory mask is carried out according to the knowledge about the concentration, the dangerousness of the product and the limit value of the air pollution. Appropriate ventilation must be provided</p> <p>In the working area only those are allowed to stay who participate in the rescuing process</p>
<b>Environmental protection:</b>	Getting the dust into the channel system and surface water must be avoided due to the alkaline character of the cement.
<b>Process of cleaning/soaking up:</b>	Collecting dust generated while processing.

Other: points 8 and 13

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## 7. HANDLING AND STORING

### Handling:

While processing the product (sanding, sawing) dust may be generated. During the processing local ventilation has to be provided, also fresh air has to be brought in. Smoking and usage of open fire is forbidden.

### Storing:

In dry, covered, well ventilated places in piles with proper washer.

The product is not flammable, therefore can be stored with other materials.

### Material compatibility:

Product is compatible with all materials.

## 8. EXPOSITION CONTROLLING AND PERSONAL PROTECTION

### 8.1. Controlling parameters

During processing when dust can be generated, the controlling of the air compound at the workplace has to be carried out as far as possible, in order to check whether the ventilation is effective, whether further controls are necessary, or whether respiratory masks have to be worn.

### 8.2. Exposition controlling and reduction

During processing when dust can be generated, local ventilation or other control system has to be used in order to keep emissions, which affect the workers, under the recommended or by the law specified limit.

**Hygiene rules:** At the end of the workday one has to wash the hands and face before every meal, smoking or going to the toilet. In case of removing contaminated clothing one has to act similarly. The contaminated clothing has to be washed before wearing it again.

**Respiration:** The selection of the respiratory mask is carried out according to the knowledge about the concentration, the dangerousness of the product and the limit value of the air pollution.

**Hand protection:** In case of people, who are allergic to wood, it is recommended to wear protection gloves.

**Eye protection:** If the risk assessment demands it, in case of certain works (cutting, sanding) one has to wear protection glasses, which correspond to the norms.

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<b>Body protection:</b> The usage of protective clothing is suggested.	

Suggestion: usage of skin protection cream

**Controlling and reduction of environmental impacts:** avoiding the pollution of the ground and the surrounding waters

## 9. PHYSICAL AND CHEMICAL PROPERTIES

State:	solid
Colour:	complies with the colour of the cement
Smell:	odorless
Melting-point:	-
Boiling-point:	-
Flash-point:	-
Water solubility:	-
Steam pressure:	-
Density:	>1000 kg/m <sup>3</sup>
Thickness:	8-40 mm
Viscosity:	-
Size Tolerance - thickness:	in case of +/- 0,3 mm; sanded boards; in case of +/- 0,7mm - +/-1,5mm raw boards
- - length and width	+/- 5,0 mm
Moisture content	6%-12%
Flexural strength:	≥ 9,0 N/mm <sup>2</sup>
Board lifting firmness:	≥ 0.5 N/mm <sup>2</sup>
Thickness swelling:	1,5 %
Flexibility modulus:	min. 4 500 N/ mm <sup>2</sup>
Conductivity factor:	0,23 λW/mK
Thermal expansion factor:	1*10 <sup>-3</sup> /K
Resistance to frost:	no visible change
Sound absorption:	in case of 27,4 dB a 88 mm boards; in case of 36,4 dB a 40 mm boards
Surface pH:	10-11

## 10. STABILITY AND REACTIVITY

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Stability:	The product is stable on normal temperature and it is not reactive with other substances.
Conditions to avoid:	The product must be stored in a dry, vented area.
Substances to avoid:	Strong acids, alkalis and oxidizers can dissolve the substance.
Dangerous breakdown products:	In case of fire CO, CO <sub>2</sub> , NOx can emerge.
Dangerous substance content:	Not typical

## 11. TOXICOLOGICAL DATA

Inhalation:	Mild irritant
Skin contact:	Mild irritant
Chronic effect:	Unknown
Acute toxicity:	The product can emit cement dust and during the operational process The product is non-toxic
Other information:	The product does not contain heavy metal or any solvent

## 12. ECOLOGICAL DATA

Exotoxicity effect: The product does not endanger water.  
In respect of own classification it belongs to 0 water hazard class.  
Regarding toxicity to bacteria, mammalian cells and fish, the product can be classified as non-dangerous materials.

## 13. DISPOSAL CONSIDERATIONS

The waste of the product is not dangerous. Destruction is must be done safely, according to the local regulations.  
The waste must be stored separately in an orderly manner.  
Waste ID number: 10 13 11  
After cutting into its proper size the produced set of materials are considered as product, according to the ÉMI ATB-52/2013 application technology certificate

## 14. INFORMATION CONCERNING DELIVERIES

### ADR – land transport:

ADR-class: -

Sorting code: -

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Packing group: -

Hazard label: -

#### IMDG- marine transport:

UN number: -

IMDG-class: -

Packing group: -

EMS-number: -

Marina pollutant: -

Tag number: -

#### IATA – air transport

UN number: -

IATA-class: -

Packing group: -

Tag number: -

## 15. INFORMATION CONCERNING REGULATIONS

#### EU – regulations

Regulations were made in accordance with (EC) No 1272/2008 of the European Parliament on classification, and labelling, amending and repealing Directives 67/548/EEC and 1999/45/EC (including modifications).

Hazard symbol: no

Indication of danger: no

H- sentences: **H315** Causes skin irritation  
**H319** Causes serious eye irritation

-

P- sentences: **P261** Avoid breathing dust/fume/gas/mist/vapours/spray.  
**P370 + 261** In case of fire: Avoid breathing dust/fume/gas/mist/vapours/spray  
**P332 + P313** If skin irritation occurs: Get medical advice/attention  
**P337 + P313** If eye irritation persists: Get medical advice/attention

#### Valid Hungarian laws and regulations:

Dangerous substances, products: 2000. XXV. law about chemical safety,  
44/2000. (XII.27.) EüM regulation about the detailed rules of procedures with hazardous substances and activities  
66/2007 (VII.5) GKM regulation about the usage of the Rules of International Transport of Hazardous Goods (RID) in inland

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25/2000. (IX.30.) EüM-SZCSM regulation about the chemical safety of workplaces

61/2013. (X. 17.) NFM regulation about the usage of the ADR attachments "A" and "B" in inland

62/2013. (X. 17.) NFM regulation about the usage RID in inland

Occupational safety:

1993. XCIII. law

3/2002 (II.8.) SzCsM-EÜM common regulation about the minimum level of the occupational safety requirements at workplaces

65/1999. (XII.21.) EÜM regulation about the minimal safety and health requirements for the individual usage of protective equipment at workplaces.

Fire-protection:

1996. XXXI law. – protection against fire, technical rescue and fire department

54/2014 (VII.5.) BM regulation about Országos Tűzvédelmi Szabályzat (Hungarian National Rules of Fire-Protection)

Wastes:

2012. CLXXXV. law about wastes

98/2001 (VI.15.) edict – about the requirements for activities in connection with hazardous wastes

72/2013. (VIII. 27.) VM regulation about the list of wastes

442/2012. (XII. 29.) edict about packing and waste management activities regarding packaging waste

## 16. OTHER DATA

The product does not contain SVHC (no particularly harmful substance) such as CMR (carcinogenic, mutagenic, causing reproductive toxicity), PBT(persistent, bioaccumulative and toxic) and vPvB (extremely persistent, very bioaccumulative) materials.

It satisfies the requirements of Regulation (EC) No 1907/2006 of the European Parliament concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The given information about the above mentioned product is based on the knowledge we acquired until the composition of the data sheet. These data do not give guarantee on the application properties of the product. The data form does not exempt the user from applying and knowing the other regulations. We draw your attention for the risks originating from using the chemicals for purposes other than those stated.



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Established according to Regulation (EU) No 453/2010 and (Eüm) No 44/2000. (XII.27.)

**Information regarding the product:**

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Phone (workdays 16:00-07:30 and weekend): 0694/516-163