

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 9/14/2016 Revision date: 6/2/2023 Supersedes version of: 5/27/2021 Version: 2.0

DURASTEEL® is an article within the meaning of REACH (REGULATION (EC) No 1907/2006) and as retained in UK law according to Statutory Instrument 2019 No 758 The REACH etc (Amendment etc) (EU Exit) Regulations 2019 ("UK REACH Regulation"). Safety data sheets do not have to be provided for articles.

Moreover this article, for which safety information is given, does not contain substances of very high concern, substances of which the use is restricted by the Commission or UK Regulator or substances on the Candidate List of Substances of Very High Concern for Authorisation. Even if this article is not subjected to any obligation to classify or label (Art 4 of Regulation (EC) No 1272/2008 and its equivalent retained in UK law), Promat has decided to provide information about identification, first aid and release measures, exposure control, disposal and transport.

This safety information sheet gives details to industrial and professional users on the safe use of this article. Throughout this document, references to EU Regulation include the equivalent regulations retained in UK law after 31 December 2020.

SECTION 1: Identification of the article and of the company/undertaking

1.1. Product identifier

Product form	: Article
Product name	: DURASTEEL®
Type of product	: Punched steel faced composite panel.
Product group	: Trade product

1.2. Relevant identified uses of the Article and uses advised against

1.2.1. Use of the Article

Main use category	: Professional use
Function or use category	: Fire Protective Board

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier

Etex Building Performance Limited
Gordano House, Marsh Lane, Easton-in-Gordano Eastern Road
GB– BS20 0NE Bristol – Berkshire
UNITED KINGDOM
T +44 (0800) 373 636
marketinguk@promat.co.uk - www.promat.co.uk

Other

Promat UK Limited Ltd
B1 The Innovation Centre, Pilsworth Road - Heywood Distribution Park
Pilsworth Road
GB– OL10 2TS Heywood
UNITED KINGDOM
T +44 (0)800 588 4444
sales@promat.co.uk

Other

Promat s.r.o.
Kkalova 22/784
CZ– 16000 Praha 6 - Bubenec
CZECH REPUBLIC
T +420 224 390 811 - F +420 233 333 576
promat@promatpraha.cz - www.promatpraha.cz

Other

Etex Nordic A/S
Vendersgade 74,3
DK– 7000 Fredericia
DENMARK
T +45 7366 1999
Promat-dk@etexgroup.com - www.promat.com/da-dk

Other

Other

Etex Building Performance N.V. N.V.
Bormstraat 24
BE– 2830 Tiselt
BELGIUM
T +32 15 71 81 00 - F +32 15 71 81 09
info@promat-international.com - www.promat-international.com

Other

Promat TOP Sp. z o.o.
ul. Przecławska 8
PL– 03-879 Warszawa
POLAND
T +48-22 212 2280 - F +48-22 212 2290
top@promatop.pl - www.promatop.pl

Other

Etex France Building Performance S.A.
500 rue Marcel Demonque, Agroparc - CS70088
FR– 84915 Avignon Cedex 9
FRANCE
T +33 (0)432 44 44 44
fds.efbp@etexgroup.com - www.promat.fr

Other

Promat Ibérica S.A.
C/ Velazquez, 47 – 6º Izquierda
ES– 28001 Madrid
SPAIN
T +34 91 781 1550 - F +34 91 575 15 97
info@promat.es - www.promat.es

Other

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Etex Building Performance GmbH
Scheifenkamp 16
DE– 40878 Ratingen
GERMANY
T +49 (0)2102 493 0 - F +49 (0)2102 493 111
mail@promat.de - www.promat.de

Other

Promat d.o.o.
Trata 50
SI– 4220 Skofja Loka
SLOVENIA
T +386 4 51 51 451 - F +386 4 51 51 450
info@promat-see.com - www.promat-see.com

Other

Etex Building Performance S.p.A.
Via Perlasca 14
IT– 27010 Vellezzo Bellini (PV)
ITALY
T +39 0382 4575 251 - F +39 0382 4575 250
info@promat.it - www.promat.it

Other

Etex Middle East LLC
Plot No. 597-921 Dubai Investment Park 2
AE– 123945 Dubai
UNITED ARAB EMIRATES
T +971 4 885 3070 - F +971 4 885 3588
info@promatfp.ae - www.promat.com

Other

Promat Building Systems Pte. Ltd.
10 Science Park Road, #03-14 the Alpha Singapore Science Park II
117684 Singapore
T +65 6776 7635
promat.sg@etexgroup.com

Other

Promat Australia Pty Ltd
1 Scotland Road, Mile End South
AU– SA 5031 Adelaide
AUSTRALIA
T +61 8 8352 6759 - F +61 8 8352 1014
PAPL.mail@etexgroup.com - www.promat-ap.com

Etex Building Performance GmbH
St.-Peter-Straße 25
AT– 4021 Linz
AUSTRIA
T +43 732 6912 0
info.at@etexgroup.com - www.promat.at

Other

Promat AG
Industriestrasse 3
CH– 9542 Münchwilen
SWITZERLAND
T +41 52 320 9400 - F +41 52 320 9402
office@promat.ch - www.promat.ch

Other

Etex Building Performance BV
Vleugelboot 22
NL– 3991 CL Houten
THE NETHERLANDS
T +31 30 241 0770 - F +31 30 241 0771

Other

Etex Malaysia Sdn. Bhd. (formerly known as Promat Malaysia)
Unit 19-02-01, Level 2, Wisma Tune, No 19, Lorong Dungun, Damansara Heights
MY– 50490 Kuala Lumpur
MALAYSIA
T +603 2095 8555 ext. 140
promat.my@etexgroup.com

Other

Promat International (Asia Pacific) Ltd.
Room 1010, C.C Wu Building, 302-308 Hennessy Road
Wanchai
T +852 2836 3692 - F +852 2834 4313
promat.hk@etexgroup.com

Other

Promat Shanghai Ltd.
No. 2, Tai Hua Street, Yonghe Economic District
511356 Guangzhou Guangdong
T +86 20 8136 1167 - F +86 20 3222 5275
info@promat.com.cn

1.4. Emergency telephone number

Emergency number : Please contact a regional poison center or emergency telephone number.

SECTION 2: Hazards identification

2.1. Classification of the article

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

Not Applicable according to the CLP Regulation No (EC) 1272/2008.

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : Generation of significant quantities of airborne dust is unlikely during normal handling. During machining the product (drilling, cutting, sanding, etc.), airborne dust can be released. As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the bronchial tubes. Can occur: eye irritation, irritation of mucous membranes and skin irritation. The handling and machining of this product may lead to the release of quartz containing dust. The inhalation of dust containing quartz, in particular the fine (respirable) dust fraction, in high concentrations or over a prolonged period of time may lead to lung disease (silicosis) and an increased risk of lung cancer.

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The product does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not established.

3.2. Mixtures

Not applicable

3.3. Article

Components : Fire protection composite board with perforated panels made of galvanised steel sheet attached to both surfaces, which are bonded with a solid cement core. Ingredients: calcium silicate, cellulose, fibres, mineral fillers.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Seek medical attention if ill effect or irritation develops.
First-aid measures after inhalation : Remove to fresh air and drink water.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Do not rub the eye. Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Ingestion unlikely due to product form. Do not induce vomiting. Rinse mouth. Drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause irritation to the respiratory tract and to other mucous membranes.
Symptoms/effects after skin contact : May cause temporary irritation/skin rash. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : Eye contact with dust may lead to transient eye irritation or inflammation.
Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product is non-combustible.

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Minimise generation of dust. Avoid breathing dust. Avoid eye and skin contact. Dampen down any dust or use vacuum cleaner with correct filter.

6.1.1. For non-emergency personnel

Protective equipment : Use recommended respiratory protection.

Measures in case of dust release : Prevent spread of dust. Dampen down any dust or use vacuum cleaner with correct filter.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Stop dust release.

6.2. Environmental precautions

Prevent spread of dust. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Use closed containers to avoid dust release.

Methods for cleaning up : Shovel up small pieces. Dampen down any dust before putting into appropriate skips.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Dust, generated during machining and processing must be exhausted and the regulatory occupational exposure limits (workplace exposure limits in UK) for total and respirable dust and respirable quartz dust must be respected.

Precautions for safe handling : Use always respiratory protective equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits in the UK (refer to local regulations). Collect dust with a vacuum cleaner or soak with water before sweeping up. Work in a well ventilated area. Use tools with appropriate dust exhaust equipment. Use handprotection during handling and cutting.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, covered and frost proof area.

7.3. Specific end use(s)

Fire protection.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Crystalline silica (quartz) (14808-60-7)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Silica crystalline (Quartz)
IOEL TWA	0.1 mg/m ³ respirable
Remark	(Year of adoption 2003) (Year of adoption 2003)
Regulatory reference	Directive EU 2017/2398

8.1.2. Recommended monitoring procedures

No additional information available.

8.1.3. Air contaminants formed

No additional information available.

8.1.4. DNEL and PNEC

No additional information available.

8.1.5. Control banding

No additional information available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure vacuum dust exhaust with correct filter when using motorised machining tools. When machining boards (drilling, cutting, sanding, etc.), respect Occupational Exposure Limits (OEL) or Workplace Exposure Limits (WEL in the UK) for inhalable and respirable dust and for respirable quartz dust. Check the latest Occupational Exposure Limits (OEL) or Workplace Exposure Limits (WEL in the UK) for airborne contaminants that are applicable in your country.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Avoid contact with eyes. Use safety glasses whenever tools are used and dusts are produced.

8.2.2.2. Skin protection

Skin and body protection:

Avoid contact with skin. Use working clothes and gloves to protect against mechanical injury and direct skin contact.

8.2.2.3. Respiratory protection

Respiratory protection:

Avoid breathing dust. Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits for the UK (e.g. for exposures up to 10 times the OEL (WEL) use at least a P2 type dust mask. For higher exposure, use a P3 type mask).

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Galvanised or stainless steel.
Appearance	: Board.
Odour	: None.
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Explosive properties	: Not applicable.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Density	: $\approx 2500 \text{ kg/m}^3$
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	: Not applicable
Relative evaporation rate (ether=1)	: Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

No additional information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: No acute toxicity has been reported, apart from some exceptional cases of transient eye irritation or inflammation, skin irritation or irritation of the mucosae (throat, bronchial tubes) by excessive exposure to dust.

Calcium carbonate (1317-65-3)

LD50 oral rat	> 5000 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	Not applicable
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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: The product does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %
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11.2.2. Other information

Other information	: The inhalation of quartz containing dust, in particular the fine dust fraction(respirable size), in high concentrations or over repeated or prolonged periods of time can be hazardous to health and may lead to chronic lung disease and an increased risk of lung cancer. This risk will be minimal if correct working practices are observed and applied. (Refer to Section 8),According to the International Agency for Research on Cancer (IARC Monograph Volume 100C - 2012) "Crystalline silica inhaled in the form of quartz or cristobalite is carcinogenic to humans(Group 1)."
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No known effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Calcium carbonate (1317-65-3)

LC50 - Fish [1]	> 10000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

DURASTEEL®

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The product does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

Other adverse effects

: No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Handle as construction industry waste.

Product/Packaging disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations.

European List of Waste (LoW) code

: Please refer to the European list (Decision N° 2000/532/CE) to identify the wastes appropriate waste number.

17 09 04 - mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

SECTION 14: Transport information

Not regulated for transport

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR)

: Not regulated.

UN-No. (IMDG)

: Not regulated.

UN-No. (IATA)

: Not regulated.

UN-No. (ADN)

: Not regulated.

UN-No. (RID)

: Not regulated.

14.2. UN proper shipping name

Proper Shipping Name (ADR)

: Not regulated.

Proper Shipping Name (IMDG)

: Not regulated.

Proper Shipping Name (IATA)

: Not regulated.

Proper Shipping Name (ADN)

: Not regulated.

Proper Shipping Name (RID)

: Not regulated.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not regulated.

IMDG

Transport hazard class(es) (IMDG) : Not regulated.

IATA

Transport hazard class(es) (IATA) : Not regulated.

ADN

Transport hazard class(es) (ADN) : Not regulated.

RID

Transport hazard class(es) (RID) : Not regulated.

14.4. Packing group

Packing group (ADR) : Not regulated.

Packing group (IMDG) : Not regulated.

Packing group (IATA) : Not regulated.

Packing group (ADN) : Not regulated.

Packing group (RID) : Not regulated.

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

Inland waterway transport

Not regulated.

Rail transport

Not regulated.

14.7. Maritime transport in bulk according to IMO instruments

Not established.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations**REACH Annex XVII (Restriction List)**

Not applicable.

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

REACH Annex XIV (Authorisation List)

Not applicable.

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list.

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

2.3. Other hazards. 3.2. Mixtures. 8.1. Control parameters. 11. Toxicological information. 12. Ecological information. 13. Disposal considerations. 16. Other information.