Product Safety Data - Celfix mortar

TSD 85

1. PRODUCT AND COMPANY INFORMATION

Product name	**Celfix Thin Layer Mortar**
Supplier	H+H UK Limited Celcon House Ightham Sevenoaks Kent TN15 9HZ Tel: 01732 886333 info.uk@hplush.com Technical Department: Tel. 01732 880580 technicalservices.uk@hplush.com

Manufacturer Details

Celfix Thin Layer Mortar is produced for H+H UK Limited by Pozament (Tarmac Building Products). A copy of the relevant material Safety Data Sheet is attached and has been checked as being current as of June 2026. Further information, including current status of the data sheet, may be found on the Pozament website at https://tarmac.com/safety-data-sheets/?dl1_p=2&dl1_mt=119&p_scr=300

Disclaimer: Every effort has been made to ensure the correctness of the information provided in this data sheet, which relates to the product described only, and which is supplied to product purchasers on the basis that we cannot guarantee its accuracy or completeness. Health and safety information provided in this data sheet is intended for general guidance only, and it is the responsibility of the user to ensure that suitable and sufficient assessment of hazards and risks posed in the employment of any products are undertaken and to comply with any duties imposed by Statutory or Regulatory requirements. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe any existing patents, nor is any warranty made, either expressed or implied.

Safety Data Sheet

CEMENT BASED PRODUCTS

CEMENT & MORTARS

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Substance Name:	Ready To Use Mortars, Dry Silo Mortars Coloured Mortars, Pointmaster Pressure Mortars Bagged Mortar, Bagged Cement RoadMaster Mortars & Concretes Cemrok Mortar, Cement & Concrete Repair & Post Fix Products Cemrok Sprayed Concrete, Mix in the bag Floor leveller Universal Concrete Mix, Postmix, Ultralight Postmix Rapid Set Tile Adhesive Products & Grouts, Floor Levelling Compound, Damaged Brick Face Repair

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Uses:	Refer to relevant Technical Data Sheet
Uses advised against:	Refer to relevant Technical Data Sheet

1.3. Company identification

Name:	**Tarmac Building Products Ltd**
Address:	i10 Building Railway Drive Wolverhampton WV1 1LH
Telephone number:	0333 003 4555
E-mail:	pozament@tarmacbp.co.uk

1.4. Emergency telephone

UK/European Emergency N°:	**999/112**
Tarmac Building Products (during office hours):	**0333 003 4555**

SECTION 2: HAZARDS IDENTIFICATION

Irritating to eyes and skin. Risk of serious damage to eyes. May cause burns in the presence of moisture due to generation of strong alkaline solution of calcium hydroxide.
May cause allergic dermatitis due to the sensitivity of an individual's skin to soluble chromium (VI) in the presence of moisture.
Dust may cause irritation of the respiratory tract.

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) 1272/2008:

Hazard class	Hazard category	Classification procedure
Skin irritation	2	On the basis of test data
Serious eye damage/eye irritation	1	On the basis of test data
Skin sensitisation	1	On the basis of literature survey
Specific target organ toxicity single exposure respiratory tract irritation	3	On the basis of literature survey

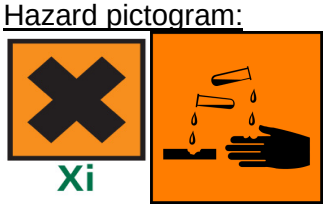
Further Information: Further copies of this Safety Data Sheet may be obtained from Tarmac Building Products Limited.

2.1.2 Classification according to Directive 1999/45/EEC:
Xi Irritant

2.2 Label elements
2.2.1 Labelling according to Regulation (EC) 1272/2008:
Signal word: Danger
Hazard pictogram:

Hazard statements:
H318: Causes serious eye damage
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation
Precautionary statements:
P102: Keep out of reach of children
P280: Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISEN CENTRE or doctor/physician.
P302+P352+P333+P313: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261+P304+P340+P312: Avoid breathing dust/fumes,gas,mist,vapours,spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician.
P501: Dispose of contents/container according to local regulations.
Supplemental information:
Skin contact with wet mortar may cause irritation, dermatitis or burns.
May cause damage to products made of aluminium or other non-noble metals.

2.2.2 Labelling according to Directive 1999/45/EEC:
Signal word: Xi - Irritant
Hazard pictogram:



Risk phrases:
R37/38 Irritating to respiratory system and skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact
Safety phrases:
S2 Keep out of reach of children
S22 Do not breathe dust
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

2.3 Other hazards
Long term exposure to dust can lead to the development of lung disease during mechanical cutting, grinding or sanding of the set product.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Can contain calcium silicates, Silica sands, PFA, water, aluminates and ferro aluminates, with calcium carbonate. Small quantities of ferrous and calcium sulphate, lime and alkalis, together with trace amounts of chromium compounds.
Coloured material will contain synthetic iron oxide pigments
Concrete products contain various sized aggregates.

Hazardous Ingredient - calcium hydroxide Ca(OH)2 generated on contact with water. Hexavalent chromium salts dissolve in water.

Under CLP EC 1272/2008

Ingredient	%	Reach Reg No.	CAS No.	EC No.	CLP Hazard Category	Hazard Statements
Ordinary Portland Cement (OPC)	5-30	N/a	65997-15-1	266-043-4	(1)STOT SE 3 (2)Skin irritation 2 (3) Serious eye damage/eye irritation 1 (4) Skin sensitization 1	(1) H335 – May cause respiratory irritation. (2) H315 – Causes skin irritation (3) H318 – Causes serious eye damage (4) H317 – May cause an allergic skin reaction

Under DPD EC1999/45

Ingredient	%	Reach Reg No.	CAS No.	EC No.	Symbol	Risk Phrase
Ordinary Portland Cement (OPC)	5-30	N/a	65997-15-1	266-043-4	Xi - Irritant	R37/38 – Irritating to respiratory system and skin R41 – Risk of serious damage to eyes R43 – May cause sensitization by skin contact

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

4.1.1 Routes of exposure;

Inhalation (dust)	Move to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention if irritation persists or later develops or if discomfort, coughing or other symptoms persist
Eye contact	**Speed is essential**. Immediately wash eyes with plenty of eyewash solution or running water, holding eyelids apart for 15 minutes. Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Always seek further specialist medical/eye specialist attention to check that all particles have been removed.
Skin contact	Remove affected clothing, footwear, watches, jewellery etc. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Seek medical attention if irritation occurs.
Ingestion	Immediately rinse mouth and drink plenty of water. Do not induce vomiting. Seek immediate medical advice if person becomes uncomfortable. Show the container or label used.

4.2 Most important symptoms and effects, both acute and delayed;
Eyes: Eye contact with product (dry or wet) may cause serious and potentially irreversible injuries.

Skin: Product may have an irritating effect on moist skin (due to sweat or humidity) after prolonged contact or may cause contact dermatitis after repeated contact.
Prolonged skin contact with wet mortar or concrete may cause serious burns because they develop without pain being felt (for example when kneeling in wet product even when wearing trousers).

Inhalation: Irritating to the respiratory tract in high concentration.

Environment: Under normal use, this product is not hazardous to the environment.
4.3 Indication of any immediate medical attention and special treatment needed;
When contacting further medical advise. Show container, label or this SDS sheet.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:
5.1.2 Suitable extinguishing media;
The product is not combustible. Use a dry powder, foam or CO_2 fire extinguisher to extinguish the surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.1.3 Unsuitable extinguishing media;
None identified.
5.2 Special hazards arising from the substance or mixture:
None identified
5.3 Advice for fire fighters:
None identified

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:
6.1.1. For Non-emergency personnel;
Wear suitable protective equipment (see section 8).
6.1.2 For emergency responders; N/a
6.2 Environmental precautions:
Do not wash product down sewage and drainage systems or into bodies of water (e.g. streams).
6.3 Methods and material for containment and cleaning up:
Dry product;
Use cleanup methods such as vacuum cleaning-up or vacuum extraction fitted with EPA/HEPA air filters which do not cause airborne dispersion. Never use compressed air.
Alternatively, wipe-up the dust by mopping, wet brushing or by using water spray or hoses (fine mist to avoid duct becoming airborne) and remove slurry.
If not possible, remove by slurrying with water (see wet product).
If only dry cleaning by brushing can be done, ensure all appropriate personel wear correct PPE including dust mask and eye protection at all times (see section 8).
Avoid inhalation of dust and place in a container and dispose of as detailed in section 13.

Wet product:
Clean up wet material and place in container or controlled location. Allow material to dry and solidify before disposal as detailed in section 13.

6.4 Reference to other sections:
For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 and the Appendix of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Protective Measures;

Do not ingest. Avoid contact with skin. Avoid contact with eyes

Wear protective equipment (refer to section 8 of this safety data sheet). Avoid generating dust.

7.1.2 Advice on general occupational hygiene;

General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and housekeeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. Do not handle or store near food and beverages or smoking material. In dusty environment, wear dust mask, protective goggles and gloves.

7.2 Conditions for safe storage, including any incompatibilities:

Bulk materials should be stored in silos that are waterproof.

Packed products should be stored in unopened bags clear of the ground in cool, dry conditions and protected from excessive draught, excesses in temperatures in order to avoid degradation of quality. Bags should be stacked in a stable manner.

Do not use aluminium containers due to incompatibility of the materials.

7.3 Specific end use(s):

No additional information for the specific end users.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Workplace exposure limits:

The following Workplace Exposure Limits (WEL's) for airborne dust are given in HSE Guidance Note EH40:

Total dust -	W.E.L.	10mg/m^3	8 Hrs	T.W.A.
Respirable dust -	W.E.L.	4mg/m^3	8 Hrs	T.W.A
Crystalline Silica - (Respirable)	W.E.L.	0.1mg/m^3	8 Hrs	T.W.A

W.E.L. = Workplace Exposure Limit

T.W.A. = Time Weighted Average

8.2 Exposure controls:

8.2.1 Appropriate engineering controls;

Measures to reduce generation of dust and to avoid dust propagating in the environment such as regular housekeeping, exhaust ventilation and dry clean-up methods which do not cause airborne dispersion.

8.2.2: Individual protection measures, such as personal protective equipment:

8.2.2.1: Eye/face protection		Wear approved glasses or goggles according to EN 166 with anti-mist for eye protection when handling wet or dry material
8.2.2.2: Skin protection		Overalls and/or long-sleeved jackets and full length trousers should be worn to protect skin from contact with wet products. Outer clothing should be waterproof if contact with wet product is likely. Wear impermeable boots to protect feet. Safety wellington boots should be worn if working with wet product, with waterproof trousers pulled over them to help prevent product entering the boots. If the product saturates clothing, or enters gloves or boots, remove the articles immediately and wash before wearing again
8.2.3.3: Respiratory protection		When a person is potentially exposed to dust levels above exposure limits, an appropriate respirator must be used dependant on expected dust levels

8.2.2.4: Thermal Hazards		The substance does not represent a thermal hazard, thus special consideration is not required.
8.2.3: Environmental Exposure Control		Not relevant unless large volume of product enter the watercourse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 Information on basic physical and chemical properties:

Appearance**:**	**Wet Product** - a mixture of sand, cementitious materials (aggregates added to concrete products) and water in a semi-solid state. Can be various colours dependant on added pigments. **Dry Product** – a mixture of sand, cementitious materials (aggregates added to concrete products) in a powder form. Can be various colours dependant on added pigments.
Odour:	Slight, earthy odour
Odour threshold:	N/a
pH:	11-13.5, (20°C in water, water solid ratio 1:2)
Melting point:	1250 (typical)
Boiling point:	Not determined
Flash point:	N/a
Evaporation rate:	N/a
Flammability:	Non flammable
Explosive limits:	Non explosive
Vapour pressure:	N/a
Vapour density:	0 at 20°C
Relative density:	3.0 (typical)
Solubility in water:	Some components sparingly soluble
Partition coefficient:	N/a
Auto ignition temperature:	N/a
Decomposition temperature:	N/a
Viscosity:	N/a
Oxidising properties:	No oxidising properties

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

When mixed with water, will harden into a stable mass that is not reactive in normal environments.

10.2 Chemical Stability:

Stable product under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions:

This product does not cause hazardous reactions.

10.4 Conditions to avoid:

Dry Products – avoid humid conditions which may cause lump formation and loss of product quality.

10.5 Incompatible Materials:

Acids, ammonium salts, aluminium or other non-noble metals. Uncontrolled use of aluminium powder in wet product should be avoided as hydrogen is produced.

10.6 Hazardous Decomposition Products:

This product does not decompose into any hazardous products.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1.1 Information on toxicological effects

Toxicity endpoints	Outcome of the effects assessment
Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion/irritation	**Category 2** When in contact with wet skin may cause thickening, cracking or fissuring on the skin. Prolonged contact in combination with abrasion may cause severe burns
Serious eye damage/irritation	**Category 1** Direct contact may cause corneal damage by mechanical stress, immediate or delayed irritation or inflammation. Direct contact by large amounts may cause effects ranging from moderate irritation to chemical burns and blindness
Respiratory or skin sensitisation	**Category 1** Some individuals may develop eczema upon exposure by either the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis. The response may appear in a variety of forms ranging from a mild rash to severe dermatitis. If the cement contains a soluble Cr (VI) reducing agent and as long as the period of effectiveness of the agent is not exceeded, a sensitising effect is not expected. There is no indication of sensitisation of the respiratory system
Repeated dose toxicity	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Toxicity for reproduction	Based on available data, the classification criteria are not met
STOT – single exposure	**Category 3** Dust exposure may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits
STOT – repeated exposure	There is an indication of Chronic Obstructive Pulmonary Disease. The effects are acute and due to high exposures. No chronic effects or effects at low concentrations have been observed
Aspiration hazard	Not applicable as this products are not used as an aerosol

Information on likely routes of exposure:
Contact with skin, eyes, ingestion and dust inhalation.

Symptoms relating to the physical, chemical and toxicological characteristics:
Dust exposure may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits.

When in contact with wet skin may cause thickening, cracking or fissuring on the skin. Prolonged contact in combination with abrasion may cause severe burns.
Some individuals may develop eczema upon exposure by either the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis

Delayed and immediate effects as well as chronic effects from short and long-term exposure:
Delay in treating eye contact can lead to serious and permanent eye damage.
Long term exposure to dust above the exposure limits can lead to lung disease.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:
The product is not hazardous to the environment. The addition of large amounts of the product to water may however, cause a rise in pH and may, therefore, be toxic to aquatic life under certain circumstances.

12.2 Persistence and Degradability:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.3 Bioaccumulative potential:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.4 Mobility in Soils:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.5 Results of PBT and vPvB assessment:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.6 Other adverse effects:

No other adverse effects are identified.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Product – has exceeded its shelf life (indicated on packaging);
(and when demonstrated that it contains more than 0.002% Cr (VI): shall not be used/sold other than for use other than for use in controlled closed and totally automated processes or should be recycled or disposed of according to local legislation or treated again with reducing agent.

Product – unused residue or dry spillage;
Pick up dry unused residue or dry spillage as is (refer to Section 6). Mark up containers. Possibly reuse depending upon shelf life considerations and the requirements to avoid dust exposure. In case of disposal, harden with water and dispose according to section 6.3 above.

Product – slurries;
Allow to harden, avoid entry in sewerage and drainage systems or into bodies of water. Dispose of as hardened product as concrete waste. This is not classed as a dangerous waste.
LoW/EWC entries; 16 03 04 - inorganic wastes containing no dangerous substances.
17 01 01 - construction and demolition wastes – concrete.

Packaging;
Completely empty and clean packaging and process in accordance with local legislation.
LoW/EWC entry: 15 01 01 - waste paper and cardboard packaging
15 01 02 - plastic packaging
If packaging is contaminated;
20 03 01 – mixed municipal waste

SECTION 14: TRANSPORT INFORMATION

These products are not classified as hazardous for transport. No special precautions are needed apart from those mentioned under Section 8.
14.1 UN number – not relevant
14.2 UN proper shipping name – not relevant
14.3 Transport hazard class(es) – not relevant
14.4 Packing group – not relevant
14.5 Environmental hazards - not relevant
14.6 Special precautions for user - not relevant
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code - not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance:
The product contains Ordinary Portland Cement which is a mixture that is not subject to registration according to REACH. Cement clinker is exempt form registration (Art2.7(b) and Annex V.10 of REACH).

Workplace Exposure Limits – HSE Guidance note EH40.

Control of Substances Hazardous to Health latest Regulations.

The marketing and use of these products is subject to a restriction on the content of soluble Cr(VI) (REACH Annex XVII point 47 Chromium VI compounds).

15.2 Chemical Safety Assessment:
A chemical safety assessment has not been carried out for this substance.

SECTION 16: OTHER INFORMATION

16.1 Hazard Statements:
H318: Causes serious eye damage
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation

16.2 Precautionary Statements:
P102: Keep out of reach of children
P280: Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISEN CENTRE or doctor/physician.
P302+P352+P333+P313: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261+P304+P340+P312: Avoid breathing dust/fumes,gas,mist,vapours,spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician.
P501: Dispose of contents/container according to local regulations.

16.3 Risk Phrases:
R37/38 Irritating to respiratory system and skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact

16.4 Safety Phrases:
S2 Keep out of reach of children
S22 Do not breathe dust
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S46 If swallowed, seek medical advice immediately and show this container or label

16.5 Abbreviations:
STEL: short-term exposure limit.
TWA: time weighted average.
vPvB: very persistent, very bioaccumulative chemical.

16.6 Key Literature References:
Suppliers; Safety Data Sheets.
In-house data files.
HSE Guidance Note EH40.
Supplier's safety data sheets.
PPE Regulations.
COSHH Regulations.
Environmental Protection Act.
European Cement Association - CEMBUREAU

16.7 Revision:
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Date Prepared:26/03/2013
Supersedes; N/a
Nature of Revision - This version produced in reference to Annex II of the REACH Regulation (EC) 1907/2006 as amended by Regulation 453/2010.

Disclaimer

Although we try to ensure that the information in this publication is accurate, it is not intended as technical advice applicable to your particular circumstances and we accept no liability if you use it in this way. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. The advice shown on this sheet is given as a guide to good practice but Tarmac Building Products Ltd. can accept no responsibility for any loss, damage or injury howsoever caused in following it.
This version of the SDS supersedes all previous versions.

APPENDIX: Exposure Scenarios: N/a

End of the safety data sheet