

PFC Corofil Coated Panel System CCPS

Safety Data Sheet: SDSCCPS

Revision 2
According to Regulation (EC) No. 1907/2006 (REACH)
as amended by UK REACH Regulations SI 2019/758

Revision Date: 15/11/2023

Next Review: 17/11/2025

Key for component product | [MF] Mineral fibre | [AC] Ablative coating

Section 1: Identification of substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: PFC Corofil Coated Panel System CCPS

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

1.2.1. Relevant identified uses

Designed to reinstate the fire resistance performance of wall and floor constructions where they are penetrated by various cable and pipe services.

1.2.2. Uses advised against

No information provided. See 1.2.1.

1.3. Details of the supplier of the safety data sheet

PFC Corofil
Units 3 & 4, King George's Industrial Estate
Davis Road
Chessington
Surrey
KT9 1TT

Tel: +44 (0)208 391 0533 (hours of operation 08:00-17:00 Monday-Friday)

Fax: +44 (0)208 391 2723

Email: tech@pfc-corofil.com

1.4. Emergency telephone number

+44 (0)208 391 0533 (hours of operation 08:00-17:00 Monday-Friday)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with CLP Regulation (EC) No. 1272/2008 [and, accordingly, the GB CLP Regulation]:

Not classified.

Adverse physicochemical, human health and environmental effects:

[AC]

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Most important effects listed in Sections 9 to 12:

[MF]

The mechanical effect of coarse fibres in contact with skin, throat or eyes may cause temporary itching. When first heated above approximately 150°C, release of binder components and binder decomposition products can occur, which in high concentrations may irritate the eyes and respiratory system.

2.2. Label elements

[MF]

Hazard pictograms, signal words, hazard statements and precautionary statements in accordance with CLP Regulation (EC) No. 1272/2008: None.

[AC]

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

EUH-statements: EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

[MF]

Other hazards which do not result in classification: dust can be generated during cutting or fabrication of the product.

[AC]

Other hazards which do not result in classification: Dust formation.
Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Section 3: Composition & information on ingredients

3.1. Substances

[MF]

Name	EC identification number	REACH registration number	Content (% weight)	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)
Stone wool 1	926-099-9	01-211-947-2313-44	95 - 100%	Not classified
Mineral oil			0 - 0.5%	Not classified

1 Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the Nota Q conditions of Regulation 1272/2008.

PFC Corofil stone wool products may be supplied with facings of aluminium foil, mineral tissue, etc.

[AC]

Not applicable.

3.2. Mixtures

[MF]

Name	EC identification number	REACH registration number	Content (% weight)	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)
Synthetic thermosetting polymer binder			0 - 5%	Not classified
Silicon oil/emulsion 2			0 - 0.5%	Not classified

2 Silicon oil and silicon emulsion are used in certain PFC Corofil stone wool products.

[AC]

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium Carbonate	(CAS-No.) 471-34-1 (EC-No.) 207-439-9	30 - 50	Not classified
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10 - 30	Not classified
Titanium Dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (EC Index-No.) 022-006-00-2 (REACH-no) 01-2119489379-17	< 1	Carc. 2, H351
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5	< 1	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Oral), H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5	(0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317 (0.06 ≤ C < 0.6) Skin Irrit. 2, H315 (0.06 ≤ C < 0.6) Eye Irrit. 2, H319 (0.6 ≤ C ≤ 100) Skin Corr. 1C, H314 (0.6 ≤ C ≤ 100) Eye Dam. 1, H318
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Comments: Titanium dioxide
 Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

Full text of H- and EUH-statements: See Section 16.

Section 4: First aid measures

4.1. Description of first aid measures

First aid measures (general):	If exposure symptoms persist, seek medical attention.
First-aid measures after inhalation:	[MF] Remove from exposure. Rinse throat and clear dust from airways. Rest in a position comfortable for breathing. [AC] Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact:	[MF] Remove and wash contaminated clothing. Rinse skin with water. [AC] Wash skin with plenty of water.
First-aid measures after eye contact:	[MF] Immediately flush eyes thoroughly with water for at least 15 minutes. Seek medical attention. [AC] Rinse eyes with water as a precaution.
First-aid measures after ingestion:	[MF] Rinse mouth immediately and drink plenty of water. [AC] Call a poison centre or a doctor if you feel unwell.

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

[MF]	Symptoms or effects after eye contact: May cause physical irritation upon direct contact.
[AC]	Symptoms/effects after inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.
	Symptoms/effects after skin contact: May cause slight irritation to the skin.
	Symptoms/effects after eye contact: May cause minor eye irritation.
	Symptoms/effects after ingestion: May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

[MF]	If adverse reaction or discomfort continues from any of the above exposures, seek medical advice.
[AC]	Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: [MF]
Water, foam, carbon dioxide (CO₂), and dry powder.

[AC]
Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

[MF]
Fire hazard: None.
PFC Corofil stone wool insulation is rated A1 in accordance with EN 13501-1.

Explosion hazard: Not explosive.

[AC]
Hazardous decomposition products in case of fire: Thermal decomposition generates: Carbon dioxide. Carbon monoxide.
Toxic fumes may be released.

5.3. Advice for fire-fighters

[MF]
No advice specific to the product. General guidance: use personal protective equipment appropriate to the prevailing conditions.

[AC]
Protection during firefighting: Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus. Complete protective clothing.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

[MF]
Use personal protective equipment as detailed in Section 8.

[AC]
Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders

[MF]
Use personal protective equipment appropriate to the circumstances.

[AC]
Protective equipment: Do not attempt to take action without suitable protective equipment.
For further information refer to Section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

[MF]
No environmental precautions specific to the product. General guidance: keep spills away from drains, surface and ground water.

[AC]
Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

[AC]
Methods for cleaning up: Ventilate spillage area. Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Prevent the product from entering drains or confined areas.

Other information: Dispose of materials or solid residues at an authorized site.

6.3.1. How to contain a spill

[MF]
No containment techniques specific to the product. General guidance: keep spills away from drains, surface and ground water.

6.3.2. How to clean-up a spill

[MF]
Place waste in containers suitable for disposal. Use vacuum cleaner or dampen with water spray prior to sweeping up. Ensure good ventilation.

6.3.3. Further information

[MF]
No further, relevant information.

6.4. Reference to other sections

[MF]
Refer to Section 8 (personal protection) and Section 13 (disposal).

[AC]
For further information refer to Section 13. For further information refer to Section 8: "Exposure controls/personal protection".

Section 7: Handling and storage

7.1. Precautions for safe handling

7.1.1. Recommendations for safe handling

Precautions for safe handling:

[MF]
Avoid unnecessary handling of product once unwrapped.

No containment techniques specific to the product. General guidance: keep spills away from drains, surface and ground water.

Use vacuum cleaner or dampen with water spray prior to sweeping up.

Ensure good ventilation.

Refer to Section 8 (personal protection) and Section 13 (disposal).

[AC]

Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation.

Hygiene measures:

[MF]

- (a) Do not eat, drink or smoke in work areas.
- (b) Wash hands after use.
- (c) Remove contaminated clothing and protective equipment before entering eating areas.

[AC]

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

Suitable storage conditions:

[MF]

Where possible, store product in original packaging. Keep dry and protect against mechanical damage.

[AC]

Store in a well-ventilated place. Keep cool.

Incompatible materials:

[MF]

None under normal conditions of use.

[AC]

Strong acids

Packaging:

[MF]

Products typically packed in polyethylene film, cardboard and/or on wooden pallets.

7.3 Specific end use(s)

[MF]

Thermal insulation, acoustic insulation and fire protection in building construction applications, in accordance with PFC Corofil recommendations.

[AC]

No additional information available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

[AC]

Titanium dioxide (13463-67-7)

Local name	Titanium dioxide
WEL TWA (OEL TWA) [1]	4 mg/m ³ respirable 10 mg/m ³ total inhalable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Aluminium Hydroxide (21645-51-2)

WEL TWA (OEL TWA) [1]	10 mg/m ³ total dust 4 mg/m ³ respirable dust
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Calcium carbonate (471-34-1)

Local name	Calcium carbonate (Limestone, Marble)
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WEL TWA (OEL TWA) [1]	10 mg/m ³ total inhalable 4 mg/m ³ respirable
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WEL STEL (OEL STEL)	4 mg/m ³
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Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
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8.1.1. National limit values

[MF]

UK workplace exposure limit (WEL) in accordance with HSE guidance EH40:

Long-term exposure limit (8-hr TWA reference period); 5mg/m³ gravimetric measure (total inhalable dust) and 2 fibres/ml airborne fibre limit.

Short-term exposure limit: None.

DNEL/PNEC: Not applicable.

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Personal protective equipment: [AC]
Gloves. Dust formation: dust mask.

Eye protection: [MF]
Wear safety goggles (EN 166) when working above shoulders.

[AC]
Safety glasses (EN 166).

Hand protection: [MF]
Wear protective gloves (EN 388).

[AC]
Disposable gloves (EN ISO 374).

Skin protection: [MF]
Cover exposed skin to avoid possible itching.

[AC]
Wear suitable protective clothing.

Respiratory protection: [MF]
Respiratory protection (general): Wear face mask (EN 149, FFP1) in confined spaces and during operations that generate any type of dust above relevant exposure limits.

Respiratory protection (high temperature): When first heated at high temperatures not usually found in building applications (above approximately 150°C), the product binder will slowly decompose, and trace gases will be released. When high temperature appliances are first put into service, gases should be vented to control exposure to fumes or appropriate respirators used.

[AC]

No respiratory protection needed under normal use conditions. During spraying wear suitable respiratory equipment.

Device: Gas mask (Filter type; Type P2, Type P3)

Thermal hazards:

[MF]

Not relevant.

[AC]

Personal protective equipment symbol(s):



Environmental exposure controls:

[MF]

No environmental exposure controls specific to the product. General guidance: keep spills away from drains, surface and ground water.

[AC]

Avoid release to the environment.

8.3. Additional information

[MF]

The following text and pictograms are printed on product packaging:

The mechanical effect of fibres in contact with skin may cause temporary itching.



Cover exposed skin. When working in unventilated area wear disposable face mask



Rinse in cold water before washing



Clean area using vacuum equipment



Ventilate working area if possible



Waste should be disposed of according to local regulations



Wear goggles when working overhead

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	[MF] Solid [AC] Liquid
Colour:	[MF] Grey-green [AC] White
Odour:	[MF] No distinguishable odour [AC] No data available
Odour threshold:	No data available
pH:	[MF] Not applicable [AC] 5 - 9
Relative evaporation rate (butylacetate=1):	No data available
Melting point/freezing point:	[MF] Not relevant [AC] Not applicable
Boiling point or initial boiling point and boiling range:	[MF] Not applicable [AC] No data available
Flash point:	[MF] Not applicable [AC] No data available
Auto-ignition temperature:	[MF] Not applicable [AC] No data available
Decomposition temperature:	[MF] Not applicable [AC] No data available
Flammability:	[MF] Not capable of catching fire or being set on fire. [AC] Not applicable
Lower and upper explosion limit:	[MF] Not explosive [AC] No data available
Vapour pressure:	[MF] Not applicable [AC] No data available
Relative vapour density:	[MF] Not applicable [AC] No data available
Density and/or relative density:	[MF] 169 kg/m ³ [AC] 1.3 - 1.4
Solubility:	[MF] Insoluble in water [AC] No data available
Partition coefficient n-octanol/water (log value):	[MF] Not applicable [AC] No data available
Kinematic viscosity:	[MF] Not applicable [AC] No data available
Dynamic viscosity:	No data available

Explosive properties: No data available

Oxidising properties: No data available

Explosive limits: No data available

9.2. Other information

[MF]
No further, relevant information.

Section 10: Stability and reactivity

10.1. Reactivity

[MF]
Not reactive.

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

10.2 Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

[MF]
None under normal conditions of use.

[AC]
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

[MF]
None under normal conditions of use.

[AC]
None under recommended storage and handling conditions (see Section 7).

10.5. Incompatible materials

[MF]
None under normal conditions of use.

[AC]
Oxidizing agent. Strong acids.

10.6. Hazardous decomposition products

[MF]
When heated above approx. 150°C for the first time, release of binder decomposition products occurs.
See Section 8.2.

[AC]
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicology information

11.1. Information on toxicological effects

(a) Acute toxicity:	Not classified.
(b) Skin corrosion/irritation:	Not classified.
(c) Serious eye damage/irritation:	Not classified.
(d) Respiratory or skin sensitisation:	Not classified.
(e) Germ cell mutagenicity:	Not classified.
(f) Carcinogenicity:	Not classified.
(g) Reproductive toxicity:	Not classified.
(h) STOT-single exposure:	Not classified.
(i) STOT-repeated exposure:	Not classified.
(j) Aspiration hazard:	Not classified.

[AC]

Titanium dioxide (13463-67-7)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 6.8 mg/l/4h

Aluminium Hydroxide (21645-51-2)

LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.3 mg/l

Calcium carbonate (471-34-1)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
LC50 Inhalation - Rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Aluminium Hydroxide (21645-51-2)

NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight
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STOT-single exposure: Not classified.

STOT-repeated exposure: Not classified.

Calcium carbonate (471-34-1)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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Aspiration hazard: Not classified.

11.2. Additional information

[MF]

The mechanical effect of coarse fibres in contact with skin, throat or eyes may cause temporary itching.

Section 12: Ecological information
12.1. Toxicity

[MF]

None.

[AC]

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified.

Hazardous to the aquatic environment, long-term (chronic): Not classified.

Not rapidly degradable.

Titanium dioxide (13463-67-7)

LC50 - Fish [1]	> 1000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species)
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Calcium carbonate (471-34-1)

LC50 - Fish [1]	> 10000
EC50 - Crustacea [1]	> 1000
EC50 72h - Algae [1]	> 200 mg/l

12.2. Persistence and degradability

[MF]
None.

[AC]
No additional information available.

12.3. Bio-accumulative potential

[MF]
None.

[AC]

PFC Corofil Ablative Coating

Bioaccumulative potential	Not potentially bioaccumulable.
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Calcium carbonate (471-34-1)

Partition coefficient n-octanol/water (Log Pow)	< 1
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12.4. Mobility in soil

[MF]
None.

[AC]

PFC Corofil Ablative Coating

Ecology - soil	Product adsorbs onto the soil. Liquid product: Readily absorbed into soil.
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12.5. Results of PBT and vPvB assessment

[MF]
None.

[AC]
No additional information available.

12.6. Other adverse effects

[MF]
None.

[AC]
No additional information available.

Section 13: Disposal considerations

13.1. Waste treatment methods

[MF]

- (a) Place waste in containers suitable for disposal.
- (b) PFC Corofil stone wool insulation is non-hazardous waste - List of Wastes code, 17 06 04.
- (c) Waste should not be disposed of in drains or sewers.
- (d) PFC Corofil stone wool insulation waste is categorised as “waste accepted at landfills for non-hazardous waste” in accordance with landfill regulations.

[AC]

Regional legislation (waste):	Disposal must be done according to official regulations.
Waste treatment methods:	Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Additional information:	Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

Section 14: Transport information

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

None.

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

Safety data sheets:

EU and UK regulations do not require a safety data sheet to be provided for PFC Corofil stone wool insulation products. This Safe Use Instruction Sheet is provided to provide health and safety information in a standardised format.

REACH and UK REACH:

No hazardous classifications are associated with PFC Corofil stone wool insulation, with respect to physical, health and environmental considerations, in accordance with REACH Regulation (EC) No. 1907/2006; and, accordingly, in accordance with UK REACH.

PFC Corofil stone wool insulation products do not contain substances in concentrations >0.1% by weight on the REACH Candidate List of Substances of Very High Concern (SVHC), the REACH Annex XIV Authorization List or the REACH Annex XVII Restriction List.

PFC Corofil stone wool insulation batts, slabs, rolls, mats and pipe sections are defined as articles in accordance with REACH Regulation (EC) No. 1907/2006.

CLP and GB CLP:

No hazardous classifications are associated with PFC Corofil stone wool insulation, in accordance with CLP Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures; and, accordingly, in accordance with the GB CLP Regulation.

15.2. Chemical Safety Assessment

Not required.

Section 16: Other information

16.1. General information

PFC Corofil stone wool fibre is bio-soluble, and is not suspected of being carcinogenic in accordance with CLP Regulation (EC) No. 1272/2008.

This safety data sheet does not constitute a workplace assessment.

The information provided represents the state of our knowledge regarding this material at the date of its publication.

The information provided does not constitute a product specification and no warranty expressed or implied is hereby made.

The information relates only to the specific material designated when used in applications it has been designed for.

This information may not be valid for such material used in combination with any other materials or in any other processes, unless specified in the text.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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