

MULTIFUGE® Fine Speed

Multi-purpose grout CG2 WA



Especially suitable for porcelaine stoneware, vitreous stoneware, natural stones and glass mosaic

MULTIFUGE® Fine Speed is a versatile applicable joint mortar especially suitable for premium-quality materials which are slightly absorbent and non-absorbent in both interior and exterior areas.
Due to the Hightech Speed Technology wall and floor zones could be already washed after a short period of time.
The Fine Speed and smooth surface provides the perfect finish particularly in case of exclusive wall and floor zones.

Properties

- ❖ For joint widths up to 10 mm
- ❖ Flexible - For heated areas
- ❖ Fine Speed and smooth surface
- ❖ Water and dirt-repellent
- ❖ High early strenght and high yield
- ❖ Excellently washable
- ❖ Improved resistance against cleaning agents used in households*
- ❖ High protection against the forming of mould fungus
- ❖ For interior and exterior use

Application Areas

Grouting of

- ❖ porcelain stoneware and vitreous stoneware
- ❖ ceramic and glass mosaic
- ❖ many natural stones
- ❖ stoneware

Substrate preparation

In order to prevent discoloration the tile adhesive must be fully set and cured before grouting can commence.
Any adhesive residue, separating agents or dirt must be removed from the joints. If needed pre-moisten absorbent coverings first; if coverings are highly absorbent repeat the process several times (but avoid standing moisture).
Flexible joints must be sealed using BOTAMENT® S 5 SUPAX Sanitary Silicone or BOTAMENT® S 3 SUPAX Natural Stone Silicone.

* The improved resistance against cleaning agents used in households refer to a comparison to the standard grout of BOTAMENT®.

Technical data

material basis	fast setting cement combination with mineral fillers, real cement pigments and additives
colours	white (no. 10) pergamon (no. 11) sand grey (no. 15) silver grey (no. 16) concrete grey (no. 20) manhattan (no. 23) grey (no. 24) titanium grey (no. 25) anthracite (no. 26) bahama beige (no. 33) cocoa (no. 38)
packaging	<u>4 kg- bag:</u> all colours <u>20 kg- bag:</u> sand grey, silver grey, concrete grey, manhattan, grey, titanium grey, anthracite
storage	cool and dry at least 9 months in its original sealed container
density	~ 1.8 kg/ dm ³
temperature resistance	- 20 °C bis + 80 °C
mixing ratio	~ 28 % (5.6 l/ 20 kg or 1.1 l/ 4 kg)
maturing time	3 minutes
working time	~ 30 minutes
walkable	after ~ 90 minutes
fully loadable	after ~ 7 days
application temperature	+ 5 °C bis + 25 °C
cleaning agent	
when fresh	water
when fully cured	cement laitance remover (in case of natural stones a cleaning test is essential)

All times stated refer to the standard atmosphere of + 23 °C and 50 % relative humidity.
Higher temperatures and lower humidity accelerate, while lower temperatures and higher humidity delay processing time and curing.

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Application

- ❖ mix up using cold, clean water while stirring continuously with a slow rotating agitator until a homogeneous mass with an even colour has been achieved
- ❖ briefly stir again after the maturing time
- ❖ grout tile covering using a rubber trowel
- ❖ removing excess material diagonally across the joints
- ❖ before forming the joint check its strength by pressing (thumb test)
- ❖ clean the surface using a hydro sponge (change cleaning water frequently)
- ❖ remove mortar film once MULTIFUGE® Fine Speed has cured with a damp sponge
- ❖ always mix up MULTIFUGE® Fine Speed in the same consistency so as to avoid colour discrepancies

Slightly stiffening material could be remixed one-time into a paste-like consistency.

On unglazed tiles any cement laitance that may occur can be removed with a cement laitance remover. In this case the joints must be pre-wetted thoroughly first.

In the event of intensive heat, especially under direct sunlight and in case of strong wind or draughts, the freshly grouted joints must be protected from drying too quickly by taking appropriate protection measures. The curing process can also be aided by regularly moistening the joint mortar.

Consumption

format (cm)	30 x 60
joint width (mm)	4
joint depth (mm)	8
	0.34 kg/m²
format (cm)	60 x 60
joint width (mm)	4
joint depth (mm)	8
	0.23 kg/m²
format (cm)	2 x 2 (mosaic)
joint width (mm)	3
joint depth (mm)	3
	1.33 kg/m²

For the determination of further values please use our grout consumption calculator at www.botament.com.

Important Tips

The following factors may result in colour discrepancies or discolorations of the joint material:

- ❖ increased substrate moisture
- ❖ strong differences in the absorbency of the substrate and of tile edges
- ❖ unwashed aggregates in the adhesive
- ❖ soiling of subsequent structural parts
- ❖ dirty mixing water or cleaning water
- ❖ excess water levels

Due to changes in raw material there may be colour fluctuations between batches. For this reason only material from one batch should be applied per project area.

The fresh jointing must not be powdered off or covered up. Rough tiles or slabs with open pores are more prone to collect residue, especially when using the darker colour variations.

There is also an inherent risk of colour staining when grouting natural stones, polished porcelain stoneware, polished synthetic resin-bonded tiles and treated cotto.

We therefore always recommend carrying out a trial grouting on site first.

Acidic cleaning agents may damage the joint material. Please contact our technical department if you have any questions as to cleaning and if the area is subject to attack from waters that are detrimental to cement.

You can view or download the safety datasheet at www.botament.com.

Important Notice: The information provided here is Fine Speedd on our experience and is given to the best of our knowledge, but is non-binding. All instructions must be adapted to suit the individual building projects, the application purpose and the specific local conditions. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In any case, the generally accepted technical rules must be adhered to. Edition GB-1606. Further technical details can be found in our technical data sheets on our website: www.botament.com.
MC Building Chemicals • Castleblayney • Co. Monaghan

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 08.05.2018



Revision: 16.03.2018

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

- **1.1 Product identifier**
- **Trade name** **MULTIFUGE Fine Speed**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Sealing mortar
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** BOTAMENT Systembaustoffe
Am Kruppwald 1
D-46238 Bottrop

Tel.: ++49(0)2041 101-90
Fax.: ++49(0)2041 101-988
- **Informing department:** Product safety department.
msds@botament.com
- **1.4 Emergency telephone number:** Tel.: +49 / (0)700 24112112 (MCR)
Tel.: +48612864565

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
STOT SE 3 H335 May cause respiratory irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
 
GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:** Cement, portland, chemicals
Cr(VI)<2ppm
calcium diformate
- **Hazard statements** H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
- **Precautionary statements** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals Cr(VI)<2ppm Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	25-50%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	≥0.1-<5%
CAS: 544-17-2 EINECS: 208-863-7	calcium diformate Eye Dam. 1, H318	≥0.1-<1.5%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation** Supply fresh air.
· **After skin contact** Instantly wash with water and soap and rinse thoroughly.
· **After eye contact** Rinse opened eye for several minutes under running water.
Seek medical treatment.
· **After swallowing** Rinse out mouth and then drink plenty of water.
Seek medical treatment.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

· **5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **6.4 Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:**

65997-15-1 Cement, portland, chemicals
Cr(VI)<2ppm

WEL Long-term value: 10* 4** mg/m³
*inhalable dust **respirable dust

13463-67-7 titanium dioxide

WEL Long-term value: 10* 4** mg/m³
*total inhalable **respirable

- **Additional information:** The lists that were valid during the compilation were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

- **Breathing equipment:**

Not required
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- **Protection of hands:**

Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.

- **Material of gloves**

Strong gloves
Recommended thickness of the material: ≥ 0.15 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

Penetration: ≥ 480 min
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Safety glasses
Tightly sealed safety glasses.

- **Body protection:**

Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Powder
Colour: According to product specification
Smell: Odourless

- **Change in condition**

Melting point/freezing point: Not determined
Initial boiling point and boiling range: Not determined
Not applicable

- **Flash point:**

Not applicable

- **Self-inflammability:**

Product is not selfigniting.

- **Explosive properties:**

Product is not explosive.

- **Density**

Not determined

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- | | |
|--|--|
| · Solubility in / Miscibility with Water: | Unsoluble |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- | | |
|--|---|
| · 10.1 Reactivity | No further relevant information available. |
| · 10.2 Chemical stability | |
| · Thermal decomposition / conditions to be avoided: | No decomposition if used according to specifications. |
| · 10.3 Possibility of hazardous reactions | No dangerous reactions known |
| · 10.4 Conditions to avoid | No further relevant information available. |
| · 10.5 Incompatible materials: | No further relevant information available. |
| · 10.6 Hazardous decomposition products: | No dangerous decomposition products known |

SECTION 11: Toxicological information

- | | |
|--|---|
| · 11.1 Information on toxicological effects | |
| · Acute toxicity | Based on available data, the classification criteria are not met. |
| · Primary irritant effect: | |
| · Skin corrosion/irritation | Causes skin irritation. |
| · Serious eye damage/irritation | Causes serious eye damage. |
| · Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| · CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) | |
| · Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| · Carcinogenicity | Based on available data, the classification criteria are not met. |
| · Reproductive toxicity | Based on available data, the classification criteria are not met. |
| · STOT-single exposure | May cause respiratory irritation. |
| · STOT-repeated exposure | Based on available data, the classification criteria are not met. |
| · Aspiration hazard | Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

- | | |
|--|--|
| · 12.1 Toxicity | |
| · Aquatic toxicity: | No further relevant information available. |
| · 12.2 Persistence and degradability | No further relevant information available. |
| · 12.3 Bioaccumulative potential | No further relevant information available. |
| · 12.4 Mobility in soil | No further relevant information available. |
| · Additional ecological information: | |
| · General notes: | Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. |
| · 12.5 Results of PBT and vPvB assessment | |
| · PBT: | Not applicable. |
| · vPvB: | Not applicable. |

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· **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **UN "Model Regulation":** Void

SECTION 15: Regulatory information

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases** H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:** Mr. Hemming

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- **Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- *** Data compared to the previous version altered.**

GB

Three different types of joint mortar – who could possibly need more!

Multi-functionality – that's always been the key to Botament's success. The introduction of our tile adhesives MULTISTAR and MULTISTONE heralded a new era in our multi-functional range. Now the new and lean grouting approach is the logical conclusion to this original idea.

Our tried-and-tested multi-joints have been complemented by the newly developed product MULTIFUGE Fine Speed. The versatile application range remains unchanged, but a new special application area is now added to the mix.

Each of our 3 joint mortars is designed to suit a particular application – for the optimal grouting of a specific type of tile or natural stone.

MULTIFUGE® Base, MULTIFUGE® Fine, MULTIFUGE® Fine Speed -
a triumvirate for any conceivable grouting works. Peerless!

Fax us for more information:

+353 42 / 9 74 62 22

- ☐ Please send me more information about your classic trio.
- ☐ I would like to use your products. Please contact me to arrange a meeting.



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Email

BOTAMENT®
SYSTEMBAUSTOFFE

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3 Joints - any type of application

The new BOTAMENT® grouting concept



BOTAMENT®
SYSTEMBAUSTOFFE

3 Joints - any type of application

The new BOTAMENT® grouting concept

Especially suitable for
porcelaine stoneware, vitreous stoneware and natural stones

MULTIFUGE® Base

Multi-purpose grout

- For joint widths from 3- 30 mm
- Flexible - For heated areas
- slurry application without burning up scorch
- For balconies and terraces
- Great steam jet and abrasion resistance
- Excellently washable
- Improved resistance against cleaning agents used in households*
- High protection against the forming of mould fungus
- For interior and exterior use



Especially suitable for
stoneware and vitreous stoneware

MULTIFUGE® Fine

Multi-purpose grout

- For joint widths up to 7 mm
- Flexible - For heated areas
- Fine and smooth surface
- Water and dirt-repellent
- High flank adhesion in slim joints
- Excellently washable
- Improved resistance against cleaning agents used in households*
- High protection against the forming of mould fungus
- For interior and exterior use



Especially suitable for
porcelaine stoneware, vitreous stoneware,
natural stones and glass mosaic

MULTIFUGE® Fine SPEED

Multi-purpose grout

- For joint widths up to 10 mm
- Flexible - For heated areas
- Fine Speed and smooth surface
- Water and dirt-repellent
- High early strenght and high yield
- Excellently washable
- Improved resistance against cleaning agents used in households*
- High protection against the forming of mould fungus
- For interior and exterior use



Our new joint mortars – covering almost every requirement encountered onsite.

Brilliant colours and selective, multi-functional application: BOTAMENT® is connecting both.



No.	Colour	MULTIFUGE® Fine SPEED	MULTIFUGE® Fine	MULTIFUGE® Base	M 32 SUPAX standard coloured joint	S 5 Supax	S 3 Supax
		up to 10 mm, porcelaine stoneware, vitreous stoneware, natural stone & glass mosaic	up to 7 mm, stoneware and vitreous stoneware	3-30 mm, porcelaine stoneware, vi- treous stoneware & natural stones	up to 5 mm, very smooth and silky sur- face, for heated areas, easy to wash	Sanitary silicone	Natural stone silicone
01	transparent					•	
10	white	•	•		•	•	•
11	pergamon	•	•		•	•	•
15	sand grey			•			
16	silver-grey	•	•	•	•	•	•
23	manhattan	•	•			•	•
24	grey	•	•	•	•	•	•
25	titan grey	•	•	•		•	•
26	anthrazit	•	•	•		•	•
29	jasmin				•	•	
33	bahama beige	•	•			•	•
38	cocoa	•				•	•

Due to conditions on site, processing techniques and differences between the specific batches colour fluctuations can occur.
Technical information and processing advice can be found in our technical data sheets on: www.botament.com.

If you would like to
request more information,
just use the form overleaf!



**BOTAMENT®
M 32 SUPAX**
standard coloured joint
up to 5 mm



**BOTAMENT®
S 3 SUPAX**
natural stone
silicone



**BOTAMENT®
S 5 SUPAX**
sanitary silicone

* The improved resistance against cleaning agents used in households refer to a comparison to the standard grout of BOTAMENT®.