

Order-No
678

Sopro Rapidur® FE 678

Self-levelling screed



Ready-to-use dry mix with special ternary binder system and additives for production of low-shrinkage (dimensionally stable), self-levelling, rapid-set cement screeds based on DIN 18560, allowing early flooring installation. No extra sand needs to be added on site. Excellent workability and hardened mortar properties thanks to Sopro Mikrodur® technology.

Excellent flow properties achieved by use of a superplasticizing admixture. Achieves grade CT-C25-F5-A12 after 28 days. Low-chromate to Regulation (EC) No 1907/2006, Annex XVII.

- Self-levelling
- Plane, level surface, ideal for large-format units
- Ready for tiling after only 24 hours
- For fast-track or tightly scheduled screed laying
- Ideal for renovation and refurbishment
- Suitable for floor heating systems
- Extra-low shrinkage
- Pumpable, efficient application also on large construction sites
- For indoor use

EMISSIONS

German AgBB test	—
GEV-EMICODE	EC1 ^{PLUS} R
Swiss eco-bau quality label	—
French VOC ordinance	A+ very-low-emission
VOC content	Max. 65 g/ltr



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

DGNB · German Quality Label for Sustainable Building

2015/2016 version

Criterion	ENV1.2 Local Environmental Impact
Rating	Product cannot be allocated to any specified product type.
Exceptions	Exceptions to the requirements may be granted in cases where one of the specified product requirements cannot be met for technical or functional reasons (i.e. due to the absence of a functionally equivalent product or a design alternative meeting the requirements) or where the basic data cannot be prepared for a reasonable outlay. The deviation from the requirements shall be documented and justified, with details provided of the product, technical application and quantities used. Product exceptions for purely aesthetic reasons are excluded from this provision. Evidence may, for example, be provided by an up-to-date confirmation by at least three market-relevant manufacturers that no suitable product is available for the targeted quality level, or through proof that use of the suitable product was not technically feasible due to force majeure (weather conditions, natural factors such as hydrostatic pressure in subsoil). The evidence provided for a technical exception may only relate to a single quality level and allows no exemption from compliance with any requirements specified for the lower quality levels. Should it be impossible to comply with the requirement of a lower quality level, for technical reasons, this must be consistently indicated in all three submitted manufacturer confirmations relating to the technical exception.

2012 version (2013 upgrade)

Criterion	ENV1.2 Local Environmental Impact
Rating	Product cannot be allocated to any specified product type.
Exceptions	Exceptions to the requirements may be granted in cases where one of the specified product requirements cannot be met for technical or functional reasons (i.e. due to the absence of a functionally equivalent product or a design alternative meeting the requirements) or where the basic data cannot be prepared for a reasonable outlay. The deviation from the requirements shall be documented and justified, with details provided of the product, technical application and quantities used. Product exceptions for purely aesthetic reasons are excluded from this provision. Evidence may, for example, be provided by an up-to-date confirmation by at least two market-relevant manufacturers that no suitable product is available for the targeted quality level, or through proof that use of the suitable product was not technically feasible due to force majeure (weather conditions, natural factors such as hydrostatic pressure in subsoil). The evidence provided for a technical exception may only relate to a single quality level and allows no exemption from compliance with any requirements specified for the lower quality levels.

2009 version

Profile	06 Local Environmental Impact
Rating	Product cannot be allocated to any specified product type.
Exceptions	Exceptions to the requirements may be granted in cases where one of the specified product requirements cannot be met for technical or functional reasons (i.e. due to the absence of a functionally equivalent product or a design alternative meeting the requirements) or where the basic data cannot be prepared for a reasonable outlay. The deviation from the requirements shall be documented and justified, with details provided of the product, technical application and quantities used. Product exceptions for purely aesthetic reasons are excluded from this provision.

BNB · German Assessment System for Sustainable Building

2015 version

Criterion	1.1.6 Local Environmental Impact
Rating	Product cannot be allocated to any specified product type.
Exceptions	Exceptions to the requirements may be granted in cases where one of the specified product requirements cannot be met for technical or functional reasons (i.e. due to the absence of a functionally equivalent product or a design alternative meeting the requirements). The deviation from the requirements shall be documented and justified, with details provided of the product, technical application and quantities used. Product exceptions for purely aesthetic reasons are excluded from this provision.

2011 version

Criterion	1.1.6 Local Environmental Impact
Rating	Product cannot be allocated to any specified product type.
Exceptions	Exceptions to the requirements may be granted in cases where one of the specified product requirements cannot be met for technical or functional reasons (i.e. due to the absence of a functionally equivalent product or a design alternative meeting the requirements) or where the basic data cannot be prepared for a reasonable outlay. The deviation from the requirements shall be documented and justified, with details provided of the product, technical application and quantities used. Product exceptions for purely aesthetic reasons are excluded from this provision.

NaWoh · Quality Label for Sustainable Housing

2013 version (V 3.0)

Criterion	3.2.4 Avoidance of contaminants
Indicator	Avoidance of contaminants
Rating	Product cannot be allocated to any specified product type.

BNK · German Assessment System for Sustainable Small-Scale Residential Developments

2015 version

Criterion	1.1.1 Occupant health: Indoor air hygiene
Requirements	Documentation and specification of VOC emissions
Rating	Meets requirements through EMICODE EC1 ^{PLUS} R.

NBBW · Sustainable Construction in German Federal State of Baden-Württemberg

2011 version

Sustainability criterion	4 Physiologically harmless and environmentally compatible construction materials
Rating	Product cannot be allocated to any specified product type.
Exceptions	Deviations from the individual requirements for the sustainability criteria are allowable in duly justified exceptional cases, provided such requirements are not prescribed by law. The deviations shall be presented and justified, in no specific form, in writing.

HafenCity Ecolabel · Sustainable Construction in HafenCity Hamburg

2010 version

Category	3 Use of eco-efficient construction materials
Rating	Product cannot be allocated to any specified product type.
Exceptions	Exceptions to the requirements may be granted in cases where one of the product requirements cannot be met. The deviation from the requirements shall be documented and justified, with details provided of the product, technical application and quantities used. Exceptions are only possible where evidence is provided that no design alternative can meet the requirements or that no functionally equivalent products are obtainable on the market for a reasonable outlay. Exceptions justified by purely aesthetic reasons are excluded from this provision.

SNBS · Standard for Sustainable Construction in Switzerland

2016 version (V 2.0)

Criterion	303.3 Environment-, disposal- and health-relevant ingredients
Rating	Product cannot be allocated to any specified product type.

SWISS MINERGIE-ECO LABEL

2016 version (V 1.3)

2015 ECO-BKP guidance papers	281 Floor finishes	
Product type	Screed	
Requirements	1 st priority	Calcium sulphate screed/self-levelling calcium sulphate screed (anhydrite)/cement screed/rapid-set cement screed and without environmentally relevant ingredients to SIA Recommendation 493
	2 nd priority	Granolithic concrete
Rating	Meets 1st priority requirements as rapid-set cement screed without environmentally relevant ingredients to SIA Recommendation 493	

2014 version (with 2015 additions)

2015 ECO-BKP guidance papers	281 Floor finishes	
Product type	Screed	
Requirements	1 st priority	Calcium sulphate screed/self-levelling calcium sulphate screed (anhydrite)/cement screed/rapid-set cement screed and without environmentally relevant ingredients to SIA Recommendation 493
	2 nd priority	Granolithic concrete
Rating	Meets 1st priority requirements as rapid-set cement screed without environmentally relevant ingredients to SIA Recommendation 493	

LEED · Leadership in Energy and Environmental Design

2014 version (v4)

Credit	MR: Building product disclosure and optimization – environmental product declarations	
Requirements	1–2 points	Existence of EPD (environmental product declaration) to ISO 14025/14040/14044 and EN 15804 or ISO 21930 – at least "cradle-to-gate" life cycle assessment
Rating	Does not meet requirements.	
Credit	EQ: Low-emitting materials	
Product type	Wet-applied product	
Requirements	1–3 points	Pass in AgBB (German Committee for Health-Related Evaluation of Building Products) test and compliance with Paints Directive (2004/42/EC).
Rating	Meets requirements as EMICODE EC1^{Plus} R is better than AgBB test pass and product does not fall under Paints Directive.	

2009 version (2013 update)

Credit	MR 4: Recycled content	
Requirements	1 point	10% recycled content (by weight)
	2 points	20% recycled content (by weight)
Rating	—	
Credit	MR 5: Regional materials	
Requirements	1 point	10% regional materials (Manufacturing location is at max. distance of 800 km from construction site)
	2 points	20% regional materials (Manufacturing location is at max. distance of 800 km from construction site)
Rating	Manufacturing location is Wiesbaden, Germany.	
Credit	IEQ 4.1: Low-emitting materials – adhesives and sealants	
Rating	Product cannot be allocated to any specified product type.	

BREEAM · Building Research Establishment Environmental Assessment Methodology

2013 version (2014)

For further details, please contact our sustainability experts by phone on +49 (0)6 11 1707-293 or by e-mail at nachhaltigkeit@sopro.com.

Further information

INGREDIENTS

CAS numbers	14808-60-7 65997-15-1 108-05-4	Quartz Portland cement Vinyl acetate
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PRECAUTIONARY STATEMENTS

Labelling	Labelling in accordance with Regulation (EC) No 1272/2008 (CLP) GHS07 Signal word: Warning Contains Portland cement. Exhibits strong alkaline reaction upon contact with moisture/water; protection required for skin and eyes. All standard precautions for the handling of construction materials/chemicals shall be taken. Hazard statements: H319 Causes serious eye irritation. Precautionary statements: P102 Keep out of reach of children. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water and soap. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor. P332+P313 If skin irritation occurs: Get medical advice/attention.
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GISCODE	ZP1 · Low-chromate to Regulation (EC) No 1907/2006, Annex XVII
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German Water Hazard Class (WGK)	—
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PUBLIC-SECTOR REGULATIONS

Test certificates	—
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Ü/CE mark	CPR-DE3/0678.2.eng
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CORPORATE SUSTAINABLE RESPONSIBILITY

Guiding principle	Sustainability is a cornerstone in Sopro Bauchemie's corporate philosophy. This is always understood by the company as the simultaneous pursuit, with equal priority, of environmental, social and economic goals.
Engagement in sustainability (memberships)	EUF · Federation of European Tile Fixers' Associations GEV · German Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials DGNB · German Sustainable Building Council MINERGIE · Swiss Association for Sustainable Construction Umweltallianz Hessen · Hessian Environmental Alliance, seminal project initiated by the Hessian Federal State government Ökoprofit-Klub · Environmental counselling scheme for companies in the Hessian Federal State capital of Wiesbaden Deutsche Bauchemie e.V. · German Construction Chemicals Manufacturers' Association
Quality management	Certified to DIN EN ISO 9001
Energy management	Certified to DIN EN ISO 50001

DOCUMENTATION

Technical data sheet
Safety data sheet
Declaration of performance
Sustainability data sheet
All documents are available for downloading at www.sopro.com.
For further details, please contact our sustainability counselling service on +49 (0)6 11 17 07-293.

Sustainability Counselling

Service-Hotline
Fon +49 611 1707-293
Fax +49 611 1707-136
Mail nachhaltigkeit@sopro.com

Project Counselling

Service-Hotline
Fon +49 611 1707-170
Fax +49 611 1707-136
Mail objektberatung@sopro.com

Technical Counselling Service

Service-Hotline
Fon +49 611 1707-111
Fax +49 611 1707-280
Mail anwendungstechnik@sopro.com

North Germany Sales

Sopro Bauchemie GmbH
Lienener Straße 89
D-49525 Lengerich
Fon +49 5481 31-310
Fon +49 5481 31-314
Fax +49 5481 31-414
Mail verkauf.nord@sopro.com

East Germany Sales

Sopro Bauchemie GmbH
Zielitzstraße 4
D-14822 Alt Bork
Fon +49 33845 476-90
Fon +49 33845 476-93
Fax +49 33845 476-92
Mail verkauf.ost@sopro.com

South Germany Sales

Sopro Bauchemie GmbH
PO Box 42 01 52
D-65102 Wiesbaden
Fon +49 611 1707-252
Fax +49 611 1707-250
Mail verkauf.sued@sopro.com

Export Sales

Sopro Bauchemie GmbH
PO Box 420152
D-65102 Wiesbaden
Fon +49 611-1707-239
Fax +49 611-1707-240
Mail international@sopro.com

Switzerland Sales

Sopro Bauchemie GmbH
Bierigutstrasse 2
CH-3608 Thun
Fon +41 33 33400 40
Fax +41 33 33400 41
Mail info@sopro.ch

Austria Sales

Sopro Bauchemie GmbH
Lagerstraße 7
A-4481 Asten
Fon +43 7224 671 41-0
Fax +43 7224 671 81
Mail marketing@sopro.at