

Order-No  
**767**

# Sopro Rapidur® B5

## Rapid-set screed binder



Special polymer-modified binder for particularly economical production of high-strength, rapid-set cement screeds to DIN 18 560, allowing early flooring installation. Achieves grade CT-C45-F7 after 28 days\*. Low-chromate to Regulation (EC) No 1907/2 06, Annex XVII.

- New, enhanced quality
- Ready for tiling after approx. 3 days
- Long working life: approx. 2–3 hours
- May be applied in mixing ratios 1:4 and 1:5
- High resistance to moisture migration from substrate
- Suitable for renovation and refurbishment schemes
- Suitable for floor heating systems
- Pumpable
- For indoor and outdoor use

### EMISSIONS

German AgBB test	—
GEV EMICODE	EC1 <sup>PLUS</sup> R
Swiss eco-bau quality label	—
French VOC ordinance	—
VOC content	Max. 65 g/ltr



\* Mixing ratio: 1 : 5 (25 kg Rapidur® B5 : 125 kg 0–8 mm screed sand to DIN EN 12 620)

## DGNB · German Quality Label for Sustainable Building

### 2015/2016 version

Criterion	ENV1.2 Local Environmental Impact
Rating	<b>Product cannot be allocated to any specified product type.</b>
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	<b>Product cannot be allocated to any specified product type.</b>
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	<b>Product cannot be allocated to any specified product type.</b>
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	<b>Product cannot be allocated to any specified product type.</b>
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	<b>Product cannot be allocated to any specified product type.</b>
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 <sup>PLUS</sup> 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 <sup>st</sup> 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 <sup>nd</sup> priority Granolithic concrete
Rating	Meets 1 <sup>st</sup> 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 <sup>st</sup> 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 <sup>nd</sup> priority	Granolithic concrete
Rating	Meets 1 <sup>st</sup> 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 <sup>plus</sup> 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

#### Version 2016. Hea 02 Indoor air quality

Criteria	Emission criteria (Table 17)	Exemplary level emission criteria (Additional requirements Table 18)
Requirements on emission testing	EN 13999 (Parts 1-4) or ISO 16000-9 or CEN/TS 16516 or CDPH Standard Method v1.1	
Compliant	Yes	Yes
Classification	The product meets the emission limits according to BREEAM	

## Further information

### INGREDIENTS

CAS numbers	65997-15-1 65996-69-2 1305-78-8 1305-62-0	Portland cement Complex mixture of calcium and magnesium silicates and aluminates Calcium oxide Calcium hydroxide
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### PRECAUTIONARY STATEMENTS

Labelling	Labelling in accordance with Regulation (EC) No 1272/2008 (CLP) GHS05, GHS07 <b>Signal word:</b> Danger Contains Portland cement, calcium oxide, calcium hydroxide, complex mixture of calcium and magnesium silicates and aluminates. 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. <b>Hazard statements:</b> <b>H315</b> Causes skin irritation. <b>H318</b> Causes serious eye damage. <b>H335</b> May cause respiratory irritation. <b>Precautionary statements:</b> <b>P102</b> Keep out of reach of children. <b>P261</b> Avoid breathing dust. <b>P280</b> Wear protective gloves/protective clothing/eye protection/face protection. <b>P302+P352</b> IF ON SKIN: Wash with plenty of water and soap. <b>P305+P351+P338</b> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <b>P310</b> Immediately call a POISON CENTER or doctor. <b>P332+P313</b> 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	—
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### CORPORATE SUSTAINABLE RESPONSIBILITY

Guiding principle	<b>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.</b>
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Engagement in sustainability (memberships)	<b>EU</b> F · Federation of European Tile Fixers' Associations <b>GEV</b> · German Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials <b>DGNB</b> · German Sustainable Building Council <b>MINERGIE</b> · Swiss Association for Sustainable Construction <b>Umweltallianz Hessen</b> · Hessian Environmental Alliance, seminal project initiated by the Hessian Federal State government <b>Ökoprofit-Klub</b> · Environmental counselling scheme for companies in the Hessian Federal State capital of Wiesbaden <b>Deutsche Bauchemie e.V.</b> · German Construction Chemicals Manufacturers' Association
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Quality management	Certified to DIN EN ISO 9001
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Energy management	Certified to DIN EN ISO 50001
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### DOCUMENTATION

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

### **Sustainability Counselling**

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