Environmental Product Declaration according to ISO 14025 and EN 15804

Product specific values for the calculation of the environmental impact of a building

VARIO® Fugenspachtel
VARIO® imprägnierte
VARIO® 30 Fugenspachtel
VARIO® H Fugen- und Flächenspachtel
SUPER Fugenhärter
Rifino® Top
Rigips® Riplano WG 45
Rigips® Riplano WF 45
Rifix® Ansetzbinder

The Original. For space to live.
# ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025/ and EN 15804/

<table>
<thead>
<tr>
<th>Owner of the Declaration</th>
<th>Bundesverband der Gipsindustrie e.V.</th>
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</thead>
<tbody>
<tr>
<td>Publisher</td>
<td>Institut Bauen und Umwelt e.V. (IBU)</td>
</tr>
<tr>
<td>Program holder</td>
<td>Institut Bauen und Umwelt e.V. (IBU)</td>
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<tr>
<td>Declaration number</td>
<td>EPD-BVG-SGR-20140072-IAG1-EN</td>
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<td>Issue date</td>
<td>21.08.2018</td>
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<tr>
<td>Valid to</td>
<td>12.11.2019</td>
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**Rigips Gypsum Filler & Setting Plaster**

Saint-Gobain Rigips GmbH

[www.ibu-epd.com](http://www.ibu-epd.com) / [https://epd-online.com](https://epd-online.com)
1. General Information

Bundesverband der Gipsindustrie e.V.

Programme holder
IBU - Institut Bauen und Umwelt e.V.
Panoramastr. 1
10178 Berlin
Germany

Declaration number
EPD-BVG-20140072-IAG1-EN

This Declaration is based on the Product Category Rules:
Mineral factory-made mortar, 07.2014
(PCR tested and approved by the SVR)

Issue date
13.11.2014

Valid to
12.11.2019

Owner of the Declaration
Bundesverband der Gipsindustrie e.V.
Kochstraße 6/7
10969 Berlin

Declared product / Declared unit
1 kg gypsum binder for powder products according to /DIN EN 13279-1/

Scope:
The EPD applies for member companies of the Bundesverband der Gipsindustrie e.V. in accordance with the current list of members on www.gips.de for the products manufactured in Germany. The Life Cycle Assessment considers specific information supplied by the manufacturers and suppliers of components exclusively for the production stage from the cradle to the plant gate. This document is translated from the German Environmental Product Declaration into English. It is based on the German original version EPD-BVG-20140072-IAG1-DE. The verifier has no influence on the quality of the translation. The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

Verification
The CEN Norm /EN 15804/ serves as the core PCR
Independent verification of the declaration according to /ISO 14025/:

\[ \square \text{internally} \quad \checkmark \text{externally} \]

Prof. Dr.-Ing. Horst J. Bossenmayer
(President of Institut Bauen und Umwelt e.V.)

Dr. Burkhard Lehmann
(Managing Director IBU)

Dr.-Ing. Wolfram Trinius
(Independent verifier appointed by SVR)

2. Product

2.1 Product description
Gypsum binder in accordance with /DIN EN 13279-1/ is the base product for industrial manufacturing of various gypsum plasters but also for all prefabricated elements made of gypsum. It is extracted through calcination of calcium sulphate dihydrate (\( \text{CaSO}_4 \cdot 2 \text{H}_2\text{O} \)) and comprises calcium sulphate in its various hydrate phases, e.g. hemi-hydrate (\( \text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O} \)) and anhydrite (\( \text{CaSO}_4 \)). Gypsum binder is a bindable material ground to powder whose curing process is triggered by the addition of water. This can be carried out at the construction site (gypsum plaster, gypsum filler and gypsum-based adhesive) or in the plant within the framework of board production. Gypsum binder forms the basis for manufacturing gypsum plaster (for automatic or manual plastering), gypsum filler material and gypsum-based adhesives as well as for model plaster, stucco and fixing plaster.

2.2 Application
Gypsum binders can be manufactured for various applications which are indicated by the respective name in accordance with European standards or traditional, possibly deviating, names combined with applications indicated by the manufacturer only. An overview is provided by the Gypsum Data Book issued by the Bundesverband der Gipsindustrie e.V. /Gypsum Data Book/ and the IGB Stucco Manual /IGB/ published by the building plaster industrial group of the Bundesverband der Gipsindustrie e.V..

2.3 Technical Data
The technical data is based on the following standards:

- Definitions and requirements on gypsum binders and gypsum plasters in accordance with /DIN EN 13279-1/
- /DIN EN 13963/ also applies for materials for filling plasterboard joints (filler, fine filler and jointing
Additional technical data refers to application of the products at the construction site. This technical construction data, which refers to the down-stream processing after the plant gate, results from the manufacturer's processing information at the construction site. As this LCA only considers the production stage, these properties are not listed here for systematic reasons.

If necessary, more information is available in the standards, the Gypsum Data Book issued by the Bundesverband der Gipsindustrie e.V. /Gypsum Data Book/ and information supplied by the manufacturer.

2.4 Placing on the market / Application rules
/DIN EN 13963/ also applies for filler, fine filler and jointing compound.
Use is governed by the respective national regulations. Applications should be in line with manufacturer's recommendations.

2.5 Delivery status
The product is delivered in powder form. The product can be procured in various pack sizes, e.g. in sacks or loose from silos depending on the manufacturers’ respective offers.
The list of manufacturers is available on the Bundesverband Gips Web site: www.gips.de.

2.6 Base materials / Ancillary materials
As a general rule, gypsum binder comprises calcium sulphate of various hydrate stages, whereby the binding and processing characteristics are based on their respective combinations and possibly the addition of retarders and water retention agents.
A distinction can generally be made between products containing non-hazardous substances and alkaline gypsum products.
Gypsum binders with added lime hydrate of 1 to 10% by weight bear the CLP label eye damage / eye irritation category 1 with the GHS05 pictogram, the signal word "Danger" and the H318 hazard statement "Causes serious eye damage".
A safety data sheet is available for all products from the respective manufacturer or from the GISBAU data base of the employers’ liability insurance association of the building industry BG Bau.

2.7 Manufacture
During the manufacturing process, raw gypsum is burned as gypsum binder where it is available as hemihydrate, anhydrite III and anhydrite II gypsum phases. Gypsum plaster is also admixed with powdered limestone, sand or perlite, and additives such as binding retarders or cellulose derivatives which are added in dry form to the calcined calcium sulphates.

2.8 Environment and health during manufacturing
Gypsum products are manufactured in the "Installations for burning gypsum" which are outlined in the 4th Federal Immission Control Ordinance in the 4th Federal Immission Control Ordinance. The immission control requirements comprise the guidelines outlined in the Federal Immission Control Act and the technical requirements on air as outlined in the "TA Luft".
Installations in the gypsum industry are only subject to emissions trading if the cumulated rated thermal input is ≥ 20 MW. This threshold value is only achieved by larger plants and/or joint production of several gypsum products.
The plants implement an Energy Management system according to /DIN EN ISO 50001/.

2.9 Product processing/Installation
The subsurface must fulfill the following requirements for the professional manufacture of plaster surfaces:
- Even surface in accordance with the requirements of /DIN 18202/
- Load-bearing, solid and sufficiently inherently stable
- Dry, non-water-repellent and evenly absorbent
- Free of dust, soiling and harmful efflorescence
- Frost-free and/or tempered above +5 °C
- Free of sintered layers and release agent residue

Where concrete is used as a plaster base, residual moisture must not exceed 3% by weight. Moisture release by concrete must be finished in the surface zone. Freshly-plastered rooms must be protected from frost.

Other key information is represented by the absorptivity of the plaster base, material requirements and yield, water values when sprinkling the product into water, plaster layer and thickness, processing times, drying out as well as the requisite quality levels of surfaces and details on suitable coatings.

Plaster finishing spatulas (abbreviated as C7) in accordance with /DIN EN 13279-1/ are primarily used for flat coatings on smooth solid subsurfaces (plaster surfaces, plane stone masonry, smooth-formed concrete, prefabricated concrete parts) or on gypsum or gypsum fibreboard for subsequent surface treatment. Apart from full-surface coatings, textured designs are also possible. Depending on the product, plaster can be applied and processed manually or by machine. Layers have a thickness of 0.1 mm to 3 mm.
Filler, fine filler and jointing compound are regulated according to /DIN EN 13963/ and are primarily used for filling plasterboard joints in accordance with /DIN EN 520/ as well as for fibre-reinforced plasterboard.

2.10 Packaging
Powder gypsum products must be protected from moisture absorption during transport and storage. Where possible, material delivered in sacks should be stored in enclosed spaces and on wooden gratings. The storage times specified – usually three to six months – must be observed. Gypsum products can usually still be processed after these times, whereby the information provided by the manufacturer concerning processing times no longer apply.

2.11 Condition of use
The product is intended for use as a construction product in interior areas and/or serves as an industrial interim product for the manufacture of other gypsum products.
2.12 Environment and health during use

All requirements of the AgBB test scheme (version 2008) are fully met (Scherer 2010/).

All listed criteria are significantly fallen short of. The products do not have any negative impact on the quality of indoor air.

2.13 Reference service life

The Reference Service Lives depend on the respective applications. The Reference Service Lives result from the application areas in accordance with the BBSR "Nutzungsdauern von Bauteilen für Lebenszyklusanalysen nach dem Bewertungssystem Nachhaltiges Bauen (BNB) (Useful life of components for the LCA according to the Sustainable Building assessment system)" table, last revised 03.11.2011 /BBSR Service Life/, as follows:

- for standard interior plasters (code 345.211, stucco, lime-gypsum plaster and much more) ≥ 50 years (the same applies for plaster profiles (code 345.221) and plaster bases (code 345.222) which may be used in combination with gypsum products
- for filling compounds, adhesive binders and adhesives made of gypsum in stud wall systems (code 342.411) or partitions made of gypsum plasterboards (code 342.511) ≥ 50 years

There are no influences on ageing when the recognised rules of technology are applied.

2.14 Extraordinary effects

Fire

The product is allocated to class A1 according to /DIN EN 13501/ (no contribution to fire load) provided that it contains less than 1% by weight or volume of organic substances (the higher value applies). According to /DIN EN 13501-1/, this also satisfies the additional requirements concerning "no smoke gas development" (s1) and "no burning droplets/drips" (d0).

Water

The product is intended for use in interior applications only. Permanent penetration of the product with water must be avoided as recrystallisation and structural changes can arise due to the water solubility of gypsum.

In the event of any temporary moisture penetration at a later stage, strength diminishes. But the original values are achieved again after drying. This is why application in domestic kitchens and bathrooms with only occasional and temporary exposure to moisture does not present any problems.

A leaflet /Flooding Leaflet/ is available from the Bundesverband der Gipsindustrie e.V. on how to repair damage caused by flooding.

Mechanical destruction

Mechanical stress does not occur during the service life of the building. As the product is used for interior applications, there are no negative consequences for the environment in the event of unforeseen mechanical destruction.

2.15 Re-use phase

Waste processing (recycling or disposal) depends on the respective substrate due to the low material hardness displayed by the component. The actual material is suitable for disposal on landfills from landfill class DK I in accordance with the Landfill Ordinance.

Recycling options can be restricted by sulphate content caused by gypsum in the eluate.

2.16 Disposal

The waste code for the unused material is 10 13 06 “Particulates and dust (with the exception of 10 13 12 and 10 13 13)” in category 10 13 “Waste from the manufacture of cement, unhydrated lime, gypsum and products made from these materials” or 17 08 02 “Construction products based on gypsum with the exception of those included in 17 08 01” in category 17 08 “Construction materials based on gypsum”.

Neither represents hazardous waste.

After processing, the waste code must be selected depending on the respective substrate.

2.17 Further information

www.gips.de

3. LCA: Calculation rules

3.1 Declared Unit

This declaration refers to 1 kg material in the respective delivery form (powder product, not mixed with water).

Material requirements and yield are indicated in the product information or can be obtained from the manufacturer.

<table>
<thead>
<tr>
<th>Details on declared unit</th>
<th>Name</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Declared unit Powder product</td>
<td>1 kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Material requirements comprise between 8 kg/m² and 11 kg/m² for 10 mm plaster thickness on subsurfaces which are solidly filled and of normal absorbency.

3.2 System boundary

Type of EPD: cradle to gate

Modules A1-A3 include the production of raw materials and transport thereof, the provision of energy and manufacturing processes required for production.

3.3 Estimates and assumptions

Packaging material for powder products to be delivered were taken into account. As a general rule, the products can be delivered in bags; larger volumes can also be supplied loose in silos or tank trucks.

Assumptions were made regarding packaging and transportation for all materials required for manufacturing and packaging of the product. In the case of product packaging, average values concerning various paper sack volumes were considered (see section 5) and an LCA comparison made with the unpacked product (see section 6).

3.4 Cut-off criteria

All components for manufacturing as well as all electricity and water required were considered.
Accordingly, material and energy flows accounting for a share of less than 1% were also considered. It can be assumed that the processes ignored would have contributed less than 5% to the impact categories considered.

3.5 Background data
“GaBi 5” – the software system for comprehensive analysis developed by PE INTERNATIONAL AG – was used for modelling the life cycle of all components /GaBi 5, 2012/.
The Life Cycle Assessment was modelled for Germany as a reference area. This means that apart from the production processes within the system boundaries, the up-stream processes of relevance for Germany such as provision of electricity or energy carriers were taken into account, too. The power mix for Germany 2008 is applied.

3.6 Data quality
All background data sets of relevance were taken from the GaBi 5 software data base.

4. LCA: Scenarios and additional technical information

Technical information on the application forms the basis for developing specific scenarios within the context of a building evaluation.
No scenarios are developed within the framework of this cradle-to-gate declaration.

3.7 Period under review
The data used by PE INTERNATIONAL AG complies with the current level of knowledge at the time of modelling the LCA in early 2013.

3.8 Allocation
Allocations were used in the background data for modelling the requisite components, e.g. for the provision of electricity. Allocation was avoided for the provision of FGD gypsum which is partially used for the production of calcium sulphate-β-hemi-hydrate.

3.9 Comparability
Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to /EN 15804/ and the building context, respectively the product-specific characteristics of performance, are taken into account.
### 5. LCA: Results

**DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE NOT DECLARED)**

<table>
<thead>
<tr>
<th>PRODUCT STAGE</th>
<th>CONSTRUCTION PROCESS STAGE</th>
<th>USE STAGE</th>
<th>END OF LIFE STAGE</th>
<th>BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw material</td>
<td>Supply</td>
<td>Transport</td>
<td>Maintenance</td>
<td>Operational energy use</td>
</tr>
<tr>
<td>A1</td>
<td>A2</td>
<td>A3</td>
<td>A4</td>
<td>Operational water use</td>
</tr>
<tr>
<td>A5</td>
<td>B1</td>
<td>B2</td>
<td>B3</td>
<td>Operational chemical use</td>
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<td>B4</td>
<td>B5</td>
<td>B6</td>
<td>B7</td>
<td>Disposal</td>
</tr>
<tr>
<td>C1</td>
<td>C2</td>
<td>C3</td>
<td>C4</td>
<td>Refurbishment</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RESULTS OF THE LCA - ENVIRONMENTAL IMPACT: 1 kg gypsum filler and gypsum-based adhesive (setting plaster)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>A1-A3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global warming potential</td>
<td>[kg CO₂-Eq. ]</td>
<td>0.11</td>
</tr>
<tr>
<td>Depletion potential of the stratospheric ozone layer</td>
<td>[kg CFC11-Eq.]</td>
<td>1.13E-11</td>
</tr>
<tr>
<td>Acidification potential of land and water</td>
<td>[kg SO₂-Eq.]</td>
<td>1.51E-4</td>
</tr>
<tr>
<td>Eutrophication potential</td>
<td>[kg PO₄³⁻-Eq.]</td>
<td>2.09E-5</td>
</tr>
<tr>
<td>Abiotic depletion potential for non-fossil resources</td>
<td>[kg Sb-Eq.]</td>
<td>1.86E-5</td>
</tr>
<tr>
<td>Abiotic depletion potential for fossil resources</td>
<td>[MJ]</td>
<td>1.66</td>
</tr>
</tbody>
</table>

**RESULTS OF THE LCA - RESOURCE USE: 1 kg gypsum filler and gypsum-based adhesive (setting plaster)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>A1-A3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewable primary energy as energy carrier</td>
<td>[MJ]</td>
<td>0.14</td>
</tr>
<tr>
<td>Renewable primary energy resources as material utilization</td>
<td>[MJ]</td>
<td>0.00</td>
</tr>
<tr>
<td>Total use of renewable primary energy resources</td>
<td>[MJ]</td>
<td>0.14</td>
</tr>
<tr>
<td>Non-renewable primary energy as energy carrier</td>
<td>[MJ]</td>
<td>1.66</td>
</tr>
<tr>
<td>Non-renewable primary energy as material utilization</td>
<td>[MJ]</td>
<td>0.00</td>
</tr>
<tr>
<td>Total use of non-renewable primary energy resources</td>
<td>[MJ]</td>
<td>1.66</td>
</tr>
<tr>
<td>Use of secondary material</td>
<td>[kg]</td>
<td>0.00</td>
</tr>
<tr>
<td>Use of renewable secondary fuels</td>
<td>[kg]</td>
<td>0.00</td>
</tr>
<tr>
<td>Use of non-renewable secondary fuels</td>
<td>[kg]</td>
<td>0.00</td>
</tr>
<tr>
<td>Use of net fresh water</td>
<td>[m³]</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**RESULTS OF THE LCA – OUTPUT FLOWS AND WASTE CATEGORIES: 1 kg gypsum filler and gypsum-based adhesive (setting plaster)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>A1-A3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous waste disposed</td>
<td>[kg]</td>
<td>0.00</td>
</tr>
<tr>
<td>Non-hazardous waste disposed</td>
<td>[kg]</td>
<td>0.00</td>
</tr>
<tr>
<td>Radioactive waste disposed</td>
<td>[kg]</td>
<td>3.05E-5</td>
</tr>
<tr>
<td>Components for re-use</td>
<td>[kg]</td>
<td>IND</td>
</tr>
<tr>
<td>Materials for recycling</td>
<td>[kg]</td>
<td>IND</td>
</tr>
<tr>
<td>Materials for energy recovery</td>
<td>[kg]</td>
<td>IND</td>
</tr>
<tr>
<td>Exported electrical energy</td>
<td>[MJ]</td>
<td>IND</td>
</tr>
<tr>
<td>Exported thermal energy</td>
<td>[MJ]</td>
<td>IND</td>
</tr>
</tbody>
</table>

### 6. LCA: Interpretation

In calculating the LCA, a generic national raw material mix for gypsum is applied for the upstream chain in order to comply with the various levels of availability in the individual plants and the interchangeability and/or combination possibilities offered by raw gypsum. Gypsum can be procured as a raw material from nature or as a by-product from desulphurisation of coal-fired power stations (FGD gypsum). While all material and energy flows are considered for natural gypsum, the cut-off limit for FGD gypsum is represented by the energy and material flows associated with the manufacture of FGD gypsum following desulphurisation (e.g. electricity consumption by the belt filter but not the use of limestone in the flue gas scrubber or the disposal of FGD waste water).

Delivery to the gypsum plant is initially followed by the manufacture of calcium sulphate beta hemi-hydrate (stucco) through combustion of the raw gypsum (calcination) below 180 °C. This stucco is supplied without blending with additives and aggregates. During production, the LCA impact categories are dominated by calcination of the raw gypsum associated with the consumption of fossil energy sources; this is responsible for approximately 60% of the GWP. There is no scarcity of resources in terms of the gypsum raw material used or the additives and aggregates used.
More than 99% of the ADPE is dominated by the use of natural gypsum for which the sulphur content of the earth's crust is applied as a criterion for calculating the Sb equivalent. As the LCA was modelled from the cradle to the factory gate, no credits are considered for possible recycling of gypsum at the end of life.

Unpacked products do not display any serious differences from packaged products in the impact categories (all differences < 10%) but packaging requires around 50% more primary energy (PERE and PERT) than for the unpacked product.
7. Requisite evidence

7.1 Leaching
On analysis according to the Landfilling Ordinance, the product displays the sulphate concentration in the saturation range which is typical for gypsum (approx. 1500 mg/l), resulting in disposal options only from landfill class I upwards.

Gypsum is classified as a listed substance in Water Hazard Class 1 (slightly hazardous for water). Heavy metal content is significantly below the corresponding criteria for landfill class I.

Proper disposal in accordance with the parameters which can depend on use, sorting depth during deconstruction, collection (separately or together with other construction waste) and treatment, and must be determined by the waste producer responsible.

7.2 Radioactivity

The product can be used without restriction with overall dose contributions of significantly lower than 0.3 mSv/a, determined on the basis of the index calculation to RP 112 and the radon concentration /BfS report/.

7.3 VOC emissions
All requirements of the AgBB test scheme, version 2008, are fully met with regard to all test criteria /Scherer 2010/:

- \[ \text{TVOC} \leq 10 \text{ mg/m}^3 \]
- \[ \text{Carcinogens}_{\text{EU cat. 1 and 2}} \leq 0.01 \text{ mg/m}^3 \]
- \[ \text{TVOC}\text{excl. LCI} \leq 0.1 \text{ mg/m}^3 \]
- \[ \text{Total VOC incl. LCI} = \sum \text{C}_{\text{ICI}} < 1 \]

8. References

Institut Bauen und Umwelt
Institut Bauen und Umwelt e.V., Berlin (pub.):
Generation of Environmental Product Declarations (EPDs);

General principles
for the EPD range of Institut Bauen und Umwelt e.V. (IBU), 2013/04
www.bau-umwelt.de

ISO 14025
EN 15804

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ISO 14025
EN 15804

EN 15804:2012-04+A1 2013: Sustainability of construction works — Environmental Product Declarations — Core rules for the product category of construction products

/Construction Products Regulation/

/BBSR service life/
BBSR table "Service lives of components for LCA in accordance with BNB"

/BfS report/
Natural radioactivity in construction materials and the ensuing radiation exposure
Field of radiation protection and environment

/Scherer 2010/

/ECHA 2013/
European Chemicals Agency (ECHA)
Candidate List of Substances of Very High Concern for Authorisation (published in accordance with Article 59(10) of the REACH Regulation)
GaBi 5 2012
GaBi 5: Software and data base for comprehensive analysis LBP, University of Stuttgart and PE International
Documentation of GaBi 5 data sets

Gypsum Data Book
Pub.: Bundesverband der Gipsindustrie e. V. Kochstraße 6–7, 10969 Berlin
Published on: www.gips.de (section: Publications / Books); last revised: May 2013

IGB/
IGB Handbuch Gipsputze
Zukunftsaufgabe Bauen im Bestand
Pub.: Bundesverband der Gipsindustrie e. V. Kochstraße 6–7, 10969 Berlin

Flooding Leaflet/
Removing damage caused by flooding to components made of gypsum or gypsum plaster
BVG Information Service No. 01
Published on: www.gips.de (section: Download, Publications, Information Services); last revised: June 2013

Scherer 2010/
Fraunhofer-Institut für Bauphysik IBP, Holzkirchen
Test report: Cross-sectional study on the emission potential of volatile organic compounds from gypsum components and gypsum products for interior applications (July 2010)
Published on: www.gips.de (section: Research Association, Projects, 2010)
<table>
<thead>
<tr>
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<th>Institut Bauen und Umwelt e.V.</th>
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<td>Web <a href="http://www.pe-international.com">www.pe-international.com</a></td>
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<tr>
<td>Owner of the Declaration</td>
<td>Bundesverband der Gipsindustrie e.V.</td>
<td>Tel +49 (0)30 31169822-0</td>
<td>Fax +49 (0)30 31169822-9</td>
<td>Mail <a href="mailto:info@gips.de">info@gips.de</a></td>
<td>Web <a href="http://www.gips.de">www.gips.de</a></td>
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