

# *Indice HPD*

*HPD Knauf Acustik*

*HPD Knauf DF*

*HPD Knauf Diamant*

*HPD Knauf H1*

*HPD Knauf Pastas Unik*

HPD UNIQUE IDENTIFIER: 24386

CLASSIFICATION: 09 29 00 Gypsum Board

PRODUCT DESCRIPTION: KNAUF ACUSTIK DI Knauf Acustik DI is a gypsum board with a control high weight per unit area and flexural ductility, and consists of a special gypsum core coated with light blue cardboard sheet. Knauf Acustik board is characterized by improving the acoustic performance of the system by up to +4 dBA, due to the perfect study of its density.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold level, Residuals/Impurities, and All Substances Above the Threshold Indicated Are. Includes options for reporting methods, thresholds, and screening results.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
ACUSTIK [ CALCIUM SULFATE DIHYDRATE LT-UNK STARCH  
(PRIMARY CASRN IS 9005-25-8) LT-UNK CONTINUOUS FILAMENT  
GLASS FIBER, NON-RESPIRABLE LT-UNK CELLULOSE,  
MICROCRYSTALLINE LT-UNK | RES ]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen  
Benchmark or List translator Score ... LT-UNK  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished compound product, along with the role and percent weight.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Instituto für Baubiologie Rosenheim GmbH (IBR)  
LCA: ISO 14021:1999 Environmental labels and declarations

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?

- Yes
No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2021-04-11

PUBLISHED DATE: 2021-04-11

EXPIRY DATE: 2024-04-11

*This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:*

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

*Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)*

**ACUSTIK**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered and noted when the concentration is above the disclosure threshold. Naturally occurring impurities in the gypsum are evaluated when required, by the manufacturer through chemical analyses. No residuals or impurities were found in the product below declared.

OTHER PRODUCT NOTES: ND

**CALCIUM SULFATE DIHYDRATE**

ID: 10101-41-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:05:25**%: **95.0000 - 97.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**STARCH (PRIMARY CASRN IS 9005-25-8)**

ID: 2075820-73-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:05:25**%: **0.1000 - 0.4000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Paper bonding

**CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE**

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:05:26**%: **0.0000 - 0.4500** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Reinforcement

**CELLULOSE, MICROCRYSTALLINE**

ID: 9004-34-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:05:26**%: **0.0000 - 4.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Recycled content

Pre-consumer 0.38% - 0.59%

Post-consumer 2.82%- 4.33%

## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Instituto für Baubiologie Rosenheim GmbH (IBR)		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-01-01	EXPIRY DATE: 2022-01-01	CERTIFIER OR LAB: Instituto für Baubiologie Rosenheim GmbH
APPLICABLE FACILITIES: Laminated gypsum board			
CERTIFICATE URL: <a href="https://www.baubiologie-ibr.de/es/">https://www.baubiologie-ibr.de/es/</a>			
CERTIFICATION AND COMPLIANCE NOTES: VOC and formaldehyde, content and emissions compliance under > -AgBB Scheme 2010 -Émissions dans l'air intérieur A+ Certificate N° 3020 – 1096			

  

LCA	ISO 14021:1999 Environmental labels and declarations		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-11-25	EXPIRY DATE: 2025-11-25	CERTIFIER OR LAB: DAPcons
APPLICABLE FACILITIES: Guixers (Lleida) and Escuzar (Navarra) Knauf GmbH , sucursal España			
CERTIFICATE URL: <a href="https://www.csostenible.net/dapcons/index?locale=es">https://www.csostenible.net/dapcons/index?locale=es</a>			
CERTIFICATION AND COMPLIANCE NOTES: Certification Nr. This is a sector EPD for Drywall. It was performed on behalf of Knauf GmbH. The content of the declaration included: Product definition and information about building physics, information about basic material and the material's origin, description of the product's manufacturing, an indication of product processing, information about the in-use conditions, life cycle assessment results, and testing results and verifications. This declaration refers to the functional unit as prescribed by the PCR. The functional unit is defined as 1 m2 of drywall for a service life of 50 years."			

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

<b>KNAUF UNIK DRYWALL JOINT COMPUND</b>	HPD URL: <a href="https://www.knauf.es/productos/pastas/pastas-juntas">https://www.knauf.es/productos/pastas/pastas-juntas</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Unik drywall joint compound is compatible with all paper-faced gypsum panels.	
<b>CINTA KNAUF PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html">https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Cinta Knauf PYL is compatible with all paper-faced gypsum panels.	
<b>KNAUF TORNILLOS PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html">https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Tornillos PYL is compatible with all paper-faced gypsum panels.	

## Section 5: General Notes

The drywalls that are covered in this HPD are:

- Acustik 12,5 BA
- Acustik 15 BA

The composition for each Acustik variation is proportional to the size of the of drywall.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Knauf GmbH Sucursal en España  
**ADDRESS:** Avenida de Burgos 114  
**Planta 6**  
**Madrid MADRID 28050, España**  
**WEBSITE:** <https://www.knauf.es/productos/placas/yeso-laminado/diamant-dfh1i.html>

**CONTACT NAME:** Knauf  
**TITLE:** Departamento Técnico  
**PHONE:** +34 902 440 460  
**EMAIL:** tecnico@knauf.es

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*

HPD UNIQUE IDENTIFIER: 24389

CLASSIFICATION: 09 29 00 Gypsum Board

PRODUCT DESCRIPTION: KNAUF DF Composed of a gypsum core mixed with glass fibers and faces covered with cardboard sheet. Easily identifiable by its apparent face of pink color and hidden face of cream color. High fire resistance performance.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<b>Explanation(s) provided for Residuals/Impurities?</b>	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**  
**DF [ CALCIUM SULFATE DIHYDRATE LT-UNK CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK STARCH (PRIMARY CASRN IS 9005-25-8) LT-UNK CELLULOSE, MICROCRYSTALLINE LT-UNK | RES ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen

Benchmark or List translator Score ... LT-UNK

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished compound product, along with the role and percent weight. This includes optional ingredients and all have been screened for impurities and residuals. This HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting. This HPD covers all manufacturing facilities for Knauf GmbH Sucursal España. Residuals and impurities were screened using the database at: <https://pharosproject.net/Residuals> and impurities are screened using a general database that relies on Healthy Building Material databases with overall 100000 substances listed to determine the typical residuals and impurities for a substance or material. The main raw material declared here comes from Knauf GmbH own quarries located in Guixers and Escuzar, so composition is highly known and tested constantly to comply with high standard environmental and air quality regulations.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: Instituto für Baubiologie Rosenheim GmbH (IBR)  
LCA: ISO 14021:1999 Environmental labels and declarations

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2021-04-11

PUBLISHED DATE: 2021-04-11

EXPIRY DATE: 2024-04-11

*This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:*

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

*Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)*

DF

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered and noted when the concentration is above the disclosure threshold. Naturally occurring impurities in the gypsum are evaluated when required, by the manufacturer through chemical analyses. No residuals or impurities were found in the product below declared.

OTHER PRODUCT NOTES: ND

**CALCIUM SULFATE DIHYDRATE**

ID: 10101-41-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:07:29**%: **94.3000 - 96.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE**

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:07:29**%: **0.2500 - 1.3000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Reinforcement

**STARCH (PRIMARY CASRN IS 9005-25-8)**

ID: 2075820-73-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:07:30**%: **0.1000 - 0.4000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Paper bonding

**CELLULOSE, MICROCRYSTALLINE**

ID: 9004-34-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:07:30**%: **0.0000 - 4.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Recycled content

Pre-consumer 0.38% - 0.59%

Post-consumer 2.82%- 4.33%

## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Instituto für Baubiologie Rosenheim GmbH (IBR)		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-01-01	EXPIRY DATE: 2022-01-01	CERTIFIER OR LAB: Instituto für Baubiologie Rosenheim GmbH
APPLICABLE FACILITIES: Laminated gypsum board			
CERTIFICATE URL: <a href="https://www.baubiologie-ibr.de/es/">https://www.baubiologie-ibr.de/es/</a>			
CERTIFICATION AND COMPLIANCE NOTES: VOC and formaldehyde, content and emissions compliance under > -AgBB Scheme 2010 -Émissions dans l'air intérieur A+ Certificate N° 3020 – 1096			

  

LCA	ISO 14021:1999 Environmental labels and declarations		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-11-25	EXPIRY DATE: 2025-11-25	CERTIFIER OR LAB: DAPcons
APPLICABLE FACILITIES: Guixers (Lleida) and Escuzar (Navarra) Knauf GmbH , sucursal España			
CERTIFICATE URL: <a href="https://www.csostenible.net/dapcons/index?locale=es">https://www.csostenible.net/dapcons/index?locale=es</a>			
CERTIFICATION AND COMPLIANCE NOTES: Certification Nr. This is a sector EPD for Drywall. It was performed on behalf of Knauf GmbH. The content of the declaration included: Product definition and information about building physics, information about basic material and the material's origin, description of the product's manufacturing, an indication of product processing, information about the in-use conditions, life cycle assessment results, and testing results and verifications. This declaration refers to the functional unit as prescribed by the PCR. The functional unit is defined as 1 m2 of drywall for a service life of 50 years."			

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

<b>KNAUF UNIK DRYWALL JOINT COMPUND</b>	HPD URL: <a href="https://www.knauf.es/productos/pastas/pastas-juntas">https://www.knauf.es/productos/pastas/pastas-juntas</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Unik drywall joint compound is compatible with all paper-faced gypsum panels.	
<b>CINTA KNAUF PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html">https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Cinta Knauf PYL is compatible with all paper-faced gypsum panels.	
<b>KNAUF TORNILLOS PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html">https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Tornillos PYL is compatible with all paper-faced gypsum panels.	

## Section 5: General Notes

The drywalls that are covered in this HPD are:

- DF 12,5
- DF 15
- DF 18
- DF 25

The composition for each Diamant variation is proportional to the size of the of drywall.

DF

[hpdrepository.hpd-collaborative.org](http://hpdrepository.hpd-collaborative.org)

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Knauf GmbH Sucursal en España  
**ADDRESS:** Avenida de Burgos 114  
**Planta 6**  
**Madrid MADRID 28050, España**  
**WEBSITE:** <https://www.knauf.es/productos/placas/yeso-laminado/diamant-dfh1i.html>

**CONTACT NAME:** Knauf  
**TITLE:** Departamento Técnico  
**PHONE:** +34 902 440 460  
**EMAIL:** tecnico@knauf.es

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*

HPD UNIQUE IDENTIFIER: 24385

CLASSIFICATION: 09 29 00 Gypsum Board

PRODUCT DESCRIPTION: KNAUF DIAMANT DFH1IR Diamant DFH1IR boards are hard gypsum boards with fibre reinforcement and flexurally ductile special gypsum core for fire resistance and sound insulation systems as well as enhanced mechanical requirements. Diamant DFH1IR boards are impregnated for reduced water absorption in rooms with moderately high humidity. The premium Diamant board liner can be identified by its blue colour and has a particularly robust surface.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<b>Explanation(s) provided for Residuals/Impurities?</b>	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**

**GREENSCREEN SCORE | HAZARD TYPE**

**DIAMANT [ CALCIUM SULFATE DIHYDRATE LT-UNK CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK HYDROFUGANT NoGS STARCH (PRIMARY CASRN IS 9005-25-8) LT-UNK CELLULOSE, MICROCRYSTALLINE LT-UNK | RES ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen

Benchmark or List translator Score ... LT-UNK

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished compound product, along with the role and percent weight. This includes optional ingredients and all have been screened for impurities and residuals. This HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting. This HPD covers all manufacturing facilities for Knauf GmbH Sucursal España. The main raw material declared here comes from Knauf GmbH own quarries located in Guixers and Escuzar, so composition is highly known and tested constantly to comply with high standard environmental and air quality regulations.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: Instituto für Baubiologie Rosenheim GmbH (IBR)  
LCA: ISO 14021:1999 Environmental labels and declarations

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2021-04-11

PUBLISHED DATE: 2021-04-11

EXPIRY DATE: 2024-04-11

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### DIAMANT

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered and noted when the concentration is above the disclosure threshold. Naturally occurring impurities in the gypsum are evaluated when required, by the manufacturer through chemical analyses. No residuals or impurities were found in the product below declared.

OTHER PRODUCT NOTES: ND

#### CALCIUM SULFATE DIHYDRATE

ID: 10101-41-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-11 8:53:33

#: 85.0000 - 96.5000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

#### CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-11 8:53:34

#: 0.3000 - 1.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Reinforcement

#### HYDROFUGANT

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-11 8:53:34

#: 0.1500 - 4.5000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Water resistance

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Under manufacturer private information.

#### STARCH (PRIMARY CASRN IS 9005-25-8)

ID: 2075820-73-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2021-04-11 8:53:34**

#: **0.1000 - 0.3500**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Function: Paper bonding

**CELLULOSE, MICROCRYSTALLINE**

ID: **9004-34-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2021-04-11 8:53:35**

#: **0.0000 - 4.0000**

GS: **LT-UNK**

RC: **PreC**

NANO: **No**

SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Recycled content

Pre-consumer 0.38% - 0.59%

Post-consumer 2.82%- 4.33%

## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Instituto für Baubiologie Rosenheim GmbH (IBR)		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-01-01	EXPIRY DATE: 2022-01-01	CERTIFIER OR LAB: Instituto für Baubiologie Rosenheim GmbH
APPLICABLE FACILITIES: Laminated gypsum board			
CERTIFICATE URL: <a href="https://www.baubiologie-ibr.de/es/">https://www.baubiologie-ibr.de/es/</a>			
CERTIFICATION AND COMPLIANCE NOTES: VOC and formaldehyde, content and emissions compliance under > -AgBB Scheme 2010 -Émissions dans l'air intérieur A+ Certificate N° 3020 – 1096			
LCA	ISO 14021:1999 Environmental labels and declarations		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-11-25	EXPIRY DATE: 2025-11-25	CERTIFIER OR LAB: DAPcons
APPLICABLE FACILITIES: Guixers (Lleida) and Escuzar (Navarra) Knauf GmbH , sucursal España			
CERTIFICATE URL: <a href="https://www.csostenible.net/dapcons/index?locale=es">https://www.csostenible.net/dapcons/index?locale=es</a>			
CERTIFICATION AND COMPLIANCE NOTES: Certification Nr. This is a sector EPD for Drywall. It was performed on behalf of Knauf GmbH. The content of the declaration included: Product definition and information about building physics, information about basic material and the material's origin, description of the product's manufacturing, an indication of product processing, information about the in-use conditions, life cycle assessment results, and testing results and verifications. This declaration refers to the functional unit as prescribed by the PCR. The functional unit is defined as 1 m2 of drywall for a service life of 50 years."			

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

<b>KNAUF UNIK DRYWALL JOINT COMPUND</b>	HPD URL: <a href="https://www.knauf.es/productos/pastas/pastas-juntas">https://www.knauf.es/productos/pastas/pastas-juntas</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Unik drywall joint compound is compatible with all paper-faced gypsum panels.	
<b>CINTA KNAUF PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html">https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Cinta Knauf PYL is compatible with all paper-faced gypsum panels.	
<b>KNAUF TORNILLOS PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html">https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Tornillos PYL is compatible with all paper-faced gypsum panels.	

## Section 5: General Notes

The drywalls that are covered in this HPD are:

- Diamant 12,5 BA
- Diamant 15 BA

The composition for each Diamant variation is proportional to the size of the of drywall.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Knauf GmbH Sucursal en España  
**ADDRESS:** Avenida de Burgos 114  
 Planta 6  
 Madrid MADRID 28050, España  
**WEBSITE:** <https://www.knauf.es/productos/placas/yeso-laminado/diamant-dfh1i.html>

**CONTACT NAME:** Knauf  
**TITLE:** Departamento Técnico  
**PHONE:** +34 902 440 460  
**EMAIL:** tecnico@knauf.es

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*

HPD UNIQUE IDENTIFIER: 24387

CLASSIFICATION: 09 29 00 Gypsum Board

PRODUCT DESCRIPTION: KNAUF H1 Wallboard H1 boards are impregnated gypsum boards for reduced water absorption in rooms with moderately high humidity. Composed by special gypsum board with enhanced moisture resistance covered with a green carboard sheet.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<b>Explanation(s) provided for Residuals/Impurities?</b>	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**  
H1 [ **CALCIUM SULFATE DIHYDRATE** LT-UNK **HYDROFUGANT** LT-UNK **STARCH (PRIMARY CASRN IS 9005-25-8)** LT-UNK **CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE** LT-UNK **CELLULOSE, MICROCRYSTALLINE** LT-UNK | RES ]

Number of Greenscreen BM-4/BM3 contents ... 0  
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished compound product, along with the role and percent weight. This HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting. This HPD covers all manufacturing facilities for Knauf GmbH Sucursal España. The main raw material declared here comes from Knauf GmbH own quarries located in Guixers and Escuzar, so composition is highly known and tested constantly to comply with high standard environmental and air quality regulations.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: Instituto für Baubiologie Rosenheim GmbH (IBR)  
LCA: ISO 14021:1999 Environmental labels and declarations

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2021-04-11

PUBLISHED DATE: 2021-04-11  
EXPIRY DATE: 2024-04-11

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpdc-collaborative.org/hpd-2-2-standard](http://www.hpdc-collaborative.org/hpd-2-2-standard)

H1

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered and noted when the concentration is above the disclosure threshold. Naturally occurring impurities in the gypsum are evaluated when required, by the manufacturer through chemical analyses. No residuals or impurities were found in the product below declared.

OTHER PRODUCT NOTES: ND

### CALCIUM SULFATE DIHYDRATE

ID: 10101-41-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-11 9:06:49

#: 89.1000 - 97.5000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

### HYDROFUGANT

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-11 9:06:50

#: 0.1500 - 4.5000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Water resistance

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Under manufacturer private information

### STARCH (PRIMARY CASRN IS 9005-25-8)

ID: 2075820-73-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-11 9:06:50

#: 0.1300 - 0.5000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Adhesive

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Function: paper bonding

### CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2021-04-11 9:06:51**

#: **0.0000 - 0.4000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Reinforcement

**CELLULOSE, MICROCRYSTALLINE**

ID: **9004-34-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2021-04-11 9:06:51**

#: **0.0000 - 5.5000**

GS: **LT-UNK**

RC: **PreC**

NANO: **No**

SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Recycled content

Pre-consumer 0.38% - 0.59%

Post-consumer 2.82%- 4.33%

## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Instituto für Baubiologie Rosenheim GmbH (IBR)		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-01-01	EXPIRY DATE: 2022-01-01	CERTIFIER OR LAB: Instituto für Baubiologie Rosenheim GmbH
APPLICABLE FACILITIES: Laminated gypsum board			
CERTIFICATE URL: <a href="https://www.baubiologie-ibr.de/es/">https://www.baubiologie-ibr.de/es/</a>			
CERTIFICATION AND COMPLIANCE NOTES: VOC and formaldehyde, content and emissions compliance under > -AgBB Scheme 2010 -Émissions dans l'air intérieur A+ Certificate N° 3020 – 1096			

  

LCA	ISO 14021:1999 Environmental labels and declarations		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-11-25	EXPIRY DATE: 2025-11-25	CERTIFIER OR LAB: DAPcons
APPLICABLE FACILITIES: Guixers (Lleida) and Escuzar (Navarra) Knauf GmbH , sucursal España			
CERTIFICATE URL: <a href="https://www.csostenible.net/dapcons/index?locale=es">https://www.csostenible.net/dapcons/index?locale=es</a>			
CERTIFICATION AND COMPLIANCE NOTES: Certification Nr. This is a sector EPD for Drywall. It was performed on behalf of Knauf GmbH. The content of the declaration included: Product definition and information about building physics, information about basic material and the material's origin, description of the product's manufacturing, an indication of product processing, information about the in-use conditions, life cycle assessment results, and testing results and verifications. This declaration refers to the functional unit as prescribed by the PCR. The functional unit is defined as 1 m2 of drywall for a service life of 50 years."			

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

<b>KNAUF UNIK DRYWALL JOINT COMPUND</b>	HPD URL: <a href="https://www.knauf.es/productos/pastas/pastas-juntas">https://www.knauf.es/productos/pastas/pastas-juntas</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Unik drywall joint compound is compatible with all paper-faced gypsum panels.	
<b>CINTA KNAUF PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html">https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Cinta Knauf PYL is compatible with all paper-faced gypsum panels.	
<b>KNAUF TORNILLOS PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html">https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf Tornillos PYL is compatible with all paper-faced gypsum panels.	

## Section 5: General Notes

The drywalls that are covered in this HPD are:  
- Impregnada H1  
- Lightboard H1

The composition for each Diamant variation is proportional to the size of the of drywall.

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Knauf GmbH Sucursal en España  
**ADDRESS:** Avenida de Burgos 114  
 Planta 6  
 Madrid MADRID 28050, España  
**WEBSITE:** <https://www.knauf.es/productos/placas/yeso-laminado/diamant-dfh1i.html>

**CONTACT NAME:** Knauf  
**TITLE:** Departamento Técnico  
**PHONE:** +34 902 440 460  
**EMAIL:** tecnico@knauf.es

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

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<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**Recycled Types**

**PreC** Pre-consumer recycled content  
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**Other Terms:**

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**Inventory Methods:**

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- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

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HPD UNIQUE IDENTIFIER: 24388

CLASSIFICATION: 09 29 00 Gypsum Board

PRODUCT DESCRIPTION: KNAUF UNIK Joint compound paste is slow drying finish for laminated plasterboard systems. Its excellent consistency allows for great workability both by hand and by machine. Knauf Unik is a powdered material based on calcium carbonate for the treatment of joints between laminated plasterboard, screw head crushing and as finishing paste.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<b>Explanation(s) provided for Residuals/Impurities?</b>	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**

**GREENSCREEN SCORE | HAZARD TYPE**

**KNAUF UNIK | LIMESTONE LT-UNK | CALCIUM SULFATE DIHYDRATE LT-UNK | UNDISCLOSED | LT-P1 | END | SKI | MAM | EYE ]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen

Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2 and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished compound product, along with the role and percent weight. This includes optional ingredients and all have been screened for impurities and residuals. This HPD is consistent with the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting. This HPD covers all manufacturing facilities for Knauf GmbH Sucursal España. The main raw material declared here comes from Knauf GmbH own quarries located in Guixers and Escuzar, so composition is highly known and tested constantly to comply with high standard environmental and air quality regulations.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0.0 Regulatory (g/l): 70

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: No

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Instituto für Baubiologie Rosenheim GmbH (IBR)

VOC content: SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Indoor Carpet, Carpet Pad Subfloor, VCT & Asphalt Tile, Dry Wall & Panel and Cove Base, as amended 1/7/05)

LCA: ISO 14021:1999 Environmental labels and declarations

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-04-11

PUBLISHED DATE: 2021-04-11

EXPIRY DATE: 2024-04-11

*This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:*

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

*Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)*

**KNAUF UNIK**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are considered and noted when the concentration is above the disclosure threshold. Naturally occurring impurities in the gypsum are evaluated when required, by the manufacturer through chemical analyses. No residuals or impurities were found in the product below declared.

OTHER PRODUCT NOTES: ND

**LIMESTONE**

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:07:56**%: **30.0000 - 95.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: ND

**CALCIUM SULFATE DIHYDRATE**

ID: 10101-41-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:07:56**%: **0.0000 - 60.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-04-11 9:07:57**%: **0.0000 - 0.2000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
MAM	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
EYE	EU - GHS (H-Statements)	H318 - Causes serious eye damage

SUBSTANCE NOTES: Under manufacturer private information.

## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

<b>VOC EMISSIONS</b>	<b>Instituto für Baubiologie Rosenheim GmbH (IBR)</b>		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Joint paste CERTIFICATE URL: <a href="https://www.baubiologie-ibr.de/es/">https://www.baubiologie-ibr.de/es/</a>	ISSUE DATE: 2020-01-01	EXPIRY DATE: 2022-01-01	CERTIFIER OR LAB: Instituto für Baubiologie Rosenheim GmbH
CERTIFICATION AND COMPLIANCE NOTES: VOC and formaldehyde, content and emissions compliance under > -AgBB Scheme 2010 -Émissions dans l'air intérieur A+ Certificate N° 3020 – 1096			
<b>VOC CONTENT</b>	<b>SCAQMD Rule 1168 Adhesive and Sealant Applications - Adhesives for Indoor Carpet, Carpet Pad Subfloor, VCT &amp; Asphalt Tile, Dry Wall &amp; Panel and Cove Base, as amended 1/7/05)</b>		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Knauf GmbH Spain, Escuzar facility CERTIFICATE URL:	ISSUE DATE: 2016-01-12	EXPIRY DATE:	CERTIFIER OR LAB: TECNALIA RESEARCH & INNOVATION
CERTIFICATION AND COMPLIANCE NOTES: VOC content according to ASTM D2369-10 standard Report No: 053139 This standard is intended as a methodology for determining the total VOC content to meet the requirements of QCAQMD 1168. The water / moisture content of the sample is determined by Karl-Fischer.			
<b>LCA</b>	<b>ISO 14021:1999 Environmental labels and declarations</b>		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Guixers (Lleida) and Escuzar (Navarra) Knauf GmbH , sucursal España CERTIFICATE URL: <a href="https://www.csostenible.net/dapcons/index?locale=es">https://www.csostenible.net/dapcons/index?locale=es</a>	ISSUE DATE: 2020-11-25	EXPIRY DATE: 2025-11-25	CERTIFIER OR LAB: DAPcons
CERTIFICATION AND COMPLIANCE NOTES: Certification Nr. This is a sector EPD for Drywall. It was performed on behalf of Knauf GmbH. The content of the declaration included: Product definition and information about building physics, information about basic material and the material's origin, description of the product's manufacturing, an indication of product processing, information about the in-use conditions, life cycle assessment results, and testing results and verifications. This declaration refers to the functional unit as prescribed by the PCR. The functional unit is defined as 1 m2 of drywall for a service life of 50 years."			

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

<b>KNAUF STANDARD</b>	HPD URL: <a href="https://www.knauf.es/productos/placas/yeso-laminado">https://www.knauf.es/productos/placas/yeso-laminado</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Knauf wide range of standard and specialized drywall is compatible with all Knauf Unik joint paste.	
<b>CINTA KNAUF PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html">https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html</a>
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Cinta Knauf PYL is compatible with all Knauf Unik joint paste.	
<b>KNAUF TORNILLOS PYL</b>	HPD URL: <a href="https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html">https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html</a>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:  
Knauf Tornillos PYL is compatible with all Knauf Unik joint paste.

## Section 5: General Notes

The joint paste that are covered in this HPD are:  
All joint pastes categorized as Knauf Unik

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Knauf GmbH Sucursal en España  
**ADDRESS:** Avenida de Burgos 114  
**Planta 6**  
**Madrid MADRID 28050, España**  
**WEBSITE:** <https://www.knauf.es/productos/placas/yeso-laminado/diamant-dfh1i.html>

**CONTACT NAME:** Knauf  
**TITLE:** Departamento Técnico  
**PHONE:** +34 902 440 460  
**EMAIL:** tecnico@knauf.es

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
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