Acustik
by Knauf GmbH Sucursal en España

Health Product Declaration v2.2
created via: HPDC Online Builder

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

Inventory Reporting Format
- ○ Nested Materials Method
- ◉ Basic Method

Threshold Disclosed Per
- ○ Material
- ◉ Product

Threshold level
- ◉ 100 ppm
- ○ 1,000 ppm
- ○ Per GHS SDS
- ○ Other

Residuals/Impurities
- ○ Considered
- ○ Partially Considered
- ◉ Not Considered

Explanation(s) provided for Residuals/Impurities?
- ◉ Yes ○ No

All Substances Above the Threshold Indicated Are:

Characterized ○ Yes Ex/SC ◉ Yes ○ No

% weight and role provided for all substances.

Screened ○ Yes Ex/SC ◉ Yes ○ No

All substances screened using Priority Hazard Lists with results disclosed.

Identified ○ Yes Ex/SC ○ Yes ◉ No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

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. 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

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
APPLICABLE FACILITIES: Laminated gypsum board
CERTIFICATE URL: https://www.baubiologie-ibr.de/es/

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 láir intérieur A+ Certificate Nº 3020 – 1096

LCA — **ISO 14021:1999 Environmental labels and declarations**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Guixers (Lleida) and Escuzar (Navarra) Knauf GmbH , sucursal España
CERTIFICATE URL: https://www.csostenible.net/dapcons/index?locale=es

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.

KNAUF UNIK DRYWALL JOINT COMPUND

HPD URL: **https://www.knauf.es/productos/pastas/pastas-juntas**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Knauf Unik drywall joint compound is compatible with all paper-faced gypsum panels.

CINTA KNAUF PYL

HPD URL: **https://www.knauf.es/productos/accesorios/cintas-mallas-bandas/cinta-pyl.html**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Cinta Knauf PYL is compatible with all paper-faced gypsum panels.

KNAUF TORNILLOS PYL

HPD URL: **https://www.knauf.es/productos/accesorios/tornillos-fijaciones-soportes-sanitarios/tornillos-pyl.html**

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.

Section 6: References

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

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

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK 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.)
NoGS No GreenScreen.

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.