

Name ProSTUD® Drywall Framing with DiamondPlus™ Coating



Product ID ProSTUD® Drywall Framing with DiamondPlus™ Coating Classification 09 22 16.00 Finishes: Non-Structural Metal Framing
Website www.clarkdietrich.com/

Manufacturer ClarkDietrich Building Systems Contact Name Technical Services
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Suite 210 Phone (888) 437-3244
West Chester, Ohio 45069 Email support@clarkdietrich.com

Description Base Metal: Steel
Base Metal Coating: Galvanized with Passivation

This declaration covers ProSTUD Drywall Framing with DiamondPlus Coating. ClarkDietrich offers ProSTUD with DiamondPlus coating—the next generation of high-performance, code-compliant steel framing systems. The corrosion resistance of DiamondPlus Coating is superior to that of G40 Hot Dipped Galvanized. DiamondPlus Coating isn't a paint, barrier or mere surface treatment. It attaches to the base substrate of the steel through a chemical reaction. The result? A permanently bonded coating that provides unparalleled corrosion protection. ProSTUD with DiamondPlus coating doesn't just meet code, it surpasses it. DiamondPlus coated steel products have bare steel thicknesses in the range of 0.0150 inches to 0.0329 inches.

Common interior framing applications of the ProSTUD Drywall Framing system with DiamondPlus Coating:

- Fire Rated Partitions – Nonstructural
• Non Fire Rated Partitions – Nonstructural
• Ceilings
• Soffits
• Bulkheads

SAFETY: Occupational Exposure Limits (OELs): Cold-Formed Steel Product as sold and shipped in its physical form does not present an inhalation, ingestion or contact hazard. However, operations such as burning, welding (high temperature), sawing, brazing, machining, grinding, etc. may produce fumes and/or particulates. Please refer to the ClarkDietrich Building Systems Safety Data Sheet (SDS) for more information.

Release Date 2015-07-14 Expiry Date 2018-07-14 HPD URL https://builder.hpd-collaborative.org/uploads/files/hpds/935/3529-20150714163507.pdf
Certification: Self-declared, Second Party, Third Party
Certifier, Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal), Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other
Full Disclosure of Intentional Ingredients: Yes, No
Full Disclosure of Known Hazards: Yes, No
Disclosure Notes

Contents in Descending Order of Quantity

Steel, ZINC, ZINC NITRATE, potassium polysilicate, Chromium tris(dihydrogen phosphate), NICKELOUS NITRATE, zinc bis(dihydrogen phosphate), PHOSPHORIC ACID, CHROMIUM (VI) OXIDE, ZINC OXIDE, ZINC CHROMATE

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Development, Reproductive, Endocrine, Respiratory
Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Mammal, Skin or Eye, Aquatic toxicity, Land toxicity, Physical hazard, Global warming, Ozone depletion, Multiple, Unknown

Gene Mutation

Total VOC Content

Material (g/L) N/A
Regulatory (g/L) N/A

Does the product contain exempt VOCs?

N/A Yes No

Are there VOC-free tints available?

N/A Yes No

Notes

Certifications + Compliance

VOC Emissions Not tested

VOC Content

N/A

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an "open standard" developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.

GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

| Name | CAS RN | % weight | GS | RC | Nano | Role |
|---|---|--------------|-------|----|------|--------------------------------|
| Hazard A | Warning A | | | | | |
| Hazard B | Warning B | | | | | |
| Hazard C | Warning C | | | | | |
| Hazard D | Warning D | | | | | |
| Hazard E | Warning E | | | | | |
| Notes | | | | | | |
| Steel | 12597-69-2 | 90.8 - 100 % | | U | N | Building Material - Base Metal |
| None found | No warnings found on HPD Priority lists | | | | | |
| Steel is North America's most recycled material with more steel recycled than paper, plastic, aluminum and glass combined. The Steel Recycling Institute reports that Steel in North America is always made with avg. minimum of 25 percent recycled content. | | | | | | |
| ZINC | 7440-66-6 | 0.15 - 9.1 % | LT-P1 | N | U | Base Metal Coating |
| ACUTE AQUATIC | EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases) | | | | | |
| CHRON AQUATIC | EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects | | | | | |
| FLAMMABLE | EU H-Statements: H250 Catches fire spontaneously if exposed to air | | | | | |
| REACTIVE | EU H-Statements: H260 In contact with water releases flammable gases which may ignite spontaneously | | | | | |
| RESPIRATORY | AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only | | | | | |
| ZINC NITRATE | 7779-88-6 | 0 - 0.01 % | LT-P1 | U | U | Passivation Coating Component |
| MULTIPLE | VwVwS: Class 3 Severe Hazard to Waters | | | | | |
| RESPIRATORY | AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only | | | | | |
| NOTE: Due to regional variations in Passivation Coating formulas, DiamondPlus coated products contain different combinations of the components listed in this declaration. To determine the exact components used please contact Technical Services with your order number. | | | | | | |
| potassium polysilicate | 1312-76-1 | 0 - 0.01 % | LT-U | U | N | Passivation Coating Component |
| None found | No warnings found on HPD Priority lists | | | | | |

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| | | | | | | |
|--|------------|------------|-------|---|---|-------------------------------|
| Chromium tris(dihydrogen phosphate) | 27096-04-4 | 0 - 0.01 % | LT-P1 | U | N | Passivation Coating Component |
|--|------------|------------|-------|---|---|-------------------------------|

MULTIPLE VwVwS: Class 2 Hazard to Waters

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| | | | | | | |
|--------------------------|------------|------------|------|---|---|-------------------------------|
| NICKELOUS NITRATE | 13138-45-9 | 0 - 0.01 % | LT-1 | U | N | Passivation Coating Component |
|--------------------------|------------|------------|------|---|---|-------------------------------|

CANCER EU R-Phrases: R49: May cause cancer by inhalation. (also in EU H-Statements, EU CMR (2), IARC, Prop 65, NIOSH-C, MAK)

DEVELOPMENTAL EU R-Phrases: R61: May cause harm to the unborn child. (also in EU H-Statements)

REPRODUCTIVE EU CMR (2): Reproductive Toxicity - Category 1B

GENE MUTATION EU R-Phrases: R68: Possible risk of irreversible effects (also in EU H-Statements)

RESPIRATORY EU R-Phrases: R42: May cause sensitization by inhalation. (also in EU H-Statements, AOEC, MAK)

MAMMALIAN EU R-Phrases: R23: Toxic by inhalation.

EYE IRRITATION EU H-Statements: H318 Causes serious eye damage (also in EU R-Phrases)

SKIN IRRITATION EU R-Phrases: R38: Irritating to skin. (also in EU H-Statements)

SKIN SENSITIZE EU R-Phrases: R43: May cause sensitization by skin contact.

ORGAN TOXICANT EU R-Phrases: R48: Danger of serious damage to health by prolonged exposure. (also in EU H-Statements)

ACUTE AQUATIC EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)

CHRON AQUATIC EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects

REACTIVE EU H-Statements: H272 May intensify fire; oxidiser

MULTIPLE SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant) (also in VwVwS)

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| | | | | | | |
|---------------------------------------|------------|------------|-------|---|---|-------------------------------|
| zinc bis(dihydrogen phosphate) | 13598-37-3 | 0 - 0.01 % | LT-P1 | U | U | Passivation Coating Component |
|---------------------------------------|------------|------------|-------|---|---|-------------------------------|

MULTIPLE VwVwS: Class 2 Hazard to Waters

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| | | | | | | |
|------------------------|-----------|------------|------|---|---|-------------------------------|
| PHOSPHORIC ACID | 7664-38-2 | 0 - 0.01 % | LT-U | U | N | Passivation Coating Component |
|------------------------|-----------|------------|------|---|---|-------------------------------|

SKIN IRRITATION EU H-Statements: H314 Causes severe skin burns and eye damage (also in EU R-Phrases)

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| | | | | | | |
|----------------------------|-----------|------------|------|---|---|-------------------------------|
| CHROMIUM (VI) OXIDE | 1333-82-0 | 0 - 0.01 % | LT-1 | N | U | Passivation Coating Component |
|----------------------------|-----------|------------|------|---|---|-------------------------------|

CANCER EU SVHC: Carcinogenic - Banned unless authorised (also in NTP-RoC, EU CMR (1), EU R-Phrases, EU H-Statements, NIOSH-C, EU CMR (2), IARC, Prop 65, MAK)

REPRODUCTIVE EU R-Phrases: R62: Possible risk of impaired fertility. (also in EU H-Statements, Prop 65)

GENE MUTATION EU SVHC: Mutagenic - Banned unless authorised (also in EU R-Phrases, EU H-Statements, EU CMR (1), EU CMR (2))

| | |
|-----------------|--|
| RESPIRATORY | EU R-Phrases: R42: May cause sensitization by inhalation. (also in EU H-Statements) |
| MAMMALIAN | EU R-Phrases: R25: Toxic if swallowed. (also in EU H-Statements) |
| SKIN IRRITATION | EU H-Statements: H317 May cause an allergic skin reaction (also in EU R-Phrases) |
| SKIN SENSITIZE | EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK) |
| ORGAN TOXICANT | EU R-Phrases: R48: Danger of serious damage to health by prolonged exposure. (also in EU H-Statements) |
| ACUTE AQUATIC | EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases) |
| CHRON AQUATIC | EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects |
| REACTIVE | EU H-Statements: H271 May cause fire or explosion; strong oxidiser |
| MULTIPLE | SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant) (also in VwVwS) |
| DEVELOPMENTAL | Prop 65: Developmental toxicity |

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| | | | | | | |
|-------------------|--|------------|-------|---|---|-------------------------------|
| ZINC OXIDE | 1314-13-2 | 0 - 0.01 % | LT-P1 | U | U | Passivation Coating Component |
| RESPIRATORY | AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only | | | | | |
| ACUTE AQUATIC | EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases) | | | | | |
| CHRON AQUATIC | EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects | | | | | |
| MULTIPLE | VwVwS: Class 2 Hazard to Waters | | | | | |

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|----------------------|--|------------|------|---|---|-------------------------------|
| ZINC CHROMATE | 13530-65-9 | 0 - 0.01 % | LT-1 | U | U | Passivation Coating Component |
| CANCER | NTP-RoC: Known to be Human Carcinogen (also in NIOSH-C, IARC, Prop 65, EU H-Statements, MAK, EU CMR (1), EU R-Phrases, EU CMR (2)) | | | | | |
| SKIN SENSITIZE | MAK: Sensitizing Substance Sh - Danger of skin sensitization (also in EU R-Phrases) | | | | | |
| MULTIPLE | VwVwS: Class 3 Severe Hazard to Waters | | | | | |
| DEVELOPMENTAL | Prop 65: Developmental toxicity | | | | | |
| REPRODUCTIVE | Prop 65: Female reproductive toxicity | | | | | |
| SKIN IRRITATION | EU H-Statements: H317 May cause an allergic skin reaction | | | | | |
| ACUTE AQUATIC | EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life / M-Factor of 10 (also in EU R-Phrases) | | | | | |
| CHRON AQUATIC | EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects | | | | | |
| RESPIRATORY | AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only | | | | | |
| MAMMALIAN | EU R-Phrases: R22: Harmful if swallowed. | | | | | |

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CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

Applicable facilities = Manufacturing sites to which testing applies.

| Type | Standard or Certification | Certifier or Laboratory |
|------|---------------------------|-------------------------|
| | | |

| | Certifying Party | Issue Date | Expiry Date | Certificate URL |
|------------------|-----------------------|------------|-------------|-----------------|
| | Applicable Facilities | | | |
| | Notes | | | |
| VOC Emissions | Not tested | | | |
| | | | | |
| | | | | |
| VOC Content | N/A | | | |
| | | | | |
| | | | | |
| Recycled Content | Not tested | | | |
| | | | | |
| | | | | |
| Other | | | | |
| | | | | |
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ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

| Required or Recommended Product | URL for Companion Health Product Declaration |
|--|--|
| Condition when required or recommended and/or other notes | |
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