



TECHNICAL DATA SHEET IVY COATINGS:

direct to metal

Interior/Exterior

DESCRIPTION

Ivy Direct To Metal Paint is a low-VOC interior/exterior; waterborne; rust-inhibiting metal paint that does not compromise indoor air quality. Ivy Direct To Metal Paint contains no formaldehyde, ammonia, crystalline silica, ethylene glycol, lead, mercury or chromate. Ivy base paints can be tinted to thousands of custom colors using optical scanners, or matched to the colors of other leading paint brands; no VOCs are added when tinted with the recommended Colortrend 802 colorants.

RECOMMENDED SYSTEMS

Substrate

Finish Coat

Ferrous Metal

Non-Ferrous Metal

IVY LOW-VOC DIRECT TO METAL

APPLICATION INSTRUCTIONS

Previously painted or primed surfaces – ensure that the surface is clean, dry and free from oil, grease, dirt, salts and any other contaminants. All bare areas must be primed. Glossy surfaces should be roughened before coating. Bare Steel – all surfaces shall be free of rust, mill scale and contaminants such as oil, grease, dirt and salts. Before any surface preparation is attempted, oil and grease must be removed by employing SSPC-SP1 Solvent Cleaning. Use Commercial Blast Cleaning to BareMetal SSPC-SP6 to remove mill scale, rust and other contaminants and leave a roughened surface. Use Commercial Blast Cleaning to BareMetal SSPC-S11 to remove mill scale, rust and other contaminants and leave a roughened surface.

Temperature: 40°-120°
Relative humidity: Up to 85%

Coverage is 350-400 square feet per gallon. Dries to touch 30 minutes; recoat in 2hrs.

APPLICATION EQUIPMENT

- Brush** Use finest quality nylon or bristle brushes
- Roller** 1/4" - 3/8" nap for smooth surface, and a 3/4" - 1 1/4" nap for rough surface
- Spray Tip** Fluid pressure 1,500-2,000 PSI .015-.019 orifice

PRODUCT FEATURES

- Interior/Exterior
- Low-VOC (<150 g/L)
- Low odor
- Self-priming
- Durable gloss finish
- Quick drying
- Can be tinted to thousands of custom Colors (no added VOCs)
- Easy water clean-up

RECOMMENDED USES

- Ferrous and non-ferrous metals
- Galvanized surfaces
- Tanks
- Doors
- Decking
- Equipment
- Ideal for residential use, and for commercial use in schools, offices, hospitals, institutions and senior citizen housing

LIMITATIONS

- Not for immersion service
- Minimum temperature 40°F
- 85% maximum humidity
- Protect from freezing



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TECHNICAL DATA

Finish	Flat
Vehicle Type	100% Acrylic
Pigment Type	Titanium dioxide & rust Inhibitor
Solvent Type	Water
VOC content g/L	Less than 150
% Solid by Weight	53% (minimum)
% Solid by Volume	37% (minimum)
Weight	10 lbs./gal. (minimum)
Recommended Dry Film by Coat	2.0 to 3.0 mils per coat
Theoretical Coverage	350-400 sq. ft./gal.
Viscosity @ 77° F	80KU (minimum)
Dry Time Average	To touch: 30 mins.; to recoat: 2 hours
Application Method	Brush, roller, spray
Shelf Life	2 Years
Packaging	One gallon and five gallon pails
Flash Point	N/A
Colors	White and custom colors available on request

ENVIRONMENTAL INFORMATION: Ivy Zero- and Low-VOC Paints and Primers contain no formaldehyde, ammonia, crystalline silica, ethylene glycol, lead, mercury or chromate. Tinting with Colortrend 802 colorants does not add to the VOC content. Ivy paints and primers are low emitting, and are eligible for points under all LEED rating systems as established by the U.S. Green Building Council (USGBC)

HEALTH & SAFETY INFORMATION: Use with adequate ventilation. Avoid contact with skin and breathing of vapors or spray mist. Wear a dust mask when sanding paint. In case of eye contact, flush with water. Keep out of reach of children.

Download a current MSDS at www.ivycoatings.com.

ACCURACY OF DATA

The technical data presented above are true and accurate as of the date of issuance of this Ivy Coatings paint data sheet and are subject to change without notice. We endeavor to supply all catalog holders with up-to-date catalog pages. Therefore, if the issue date is more than a year old, please inquire whether a new page has since been issued. Please visit www.ivycoatings.com for the newest version of this data sheet.

WARRANTY

This product is warranted only to conform to the analysis and specifications expressed above. No other warranty or guarantee, including its merchantability or suitability for any specific application, is implied. The liability of International Building Products, if any, is limited to replacement of product or refund of purchase price and excludes labor, cost of labor of other consequential damages, provided that the purchaser notifies management of International Building Products within twenty-four hours of the application of the product.

CONTACT INFO

International Building Products, Inc.
PO Box 499
Farmingdale, NY 11735
(856) 669-9513
ivycoatings.com



MATERIAL SAFETY DATA SHEET IVY COATINGS:

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Product Name: Direct To Metal Colors
Product Code: Ivy Coatings Low-VOC Direct to Metal

HMIS: H F R P
1 0 0 E

SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: International Building Products, Inc. (IBP)
PO BOX 499
FARMINGDALE, NY 11735

EMERGENCY PHONE: (800) 424-9300 DATE PRINTED: 09/25/09
INFORMATION PHONE: (856) 669-9513 NAME OF PREPARER: IBP

SECTION II – HAZARDOUS INGREDIENTS/SARA III INFORMATION

<u>REPORTABLE COMPONENTS</u>	<u>CAS NUMBER</u>	<u>WEIGHT PERCENT</u>
TITANIUM DIOXIDE	13463-67-7	22.5
PEL (OSHA) 15 MG/CU.M. (TOTAL) 5MG./CU.M. (RESPIRABLE) TLV (ACGIH) 10 MG/CU.M.		
SODIUM NITRITE	7632-06-0	0.1

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: NOT APPLICABLE SPECIFIC GRAVITY (H2O=1): 1.29
VAPOR DENSITY: LIGHTER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
MATERIAL V.O.C. <150 g/L
SOLUBILITY IN WATER: Partial
APPEARANCE AND ODOR: WHITE OR COLORED LIQUID AND FAINT ESTER ODOR

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A METHOD USED: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: CO2, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

Firefighters should wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

UNUSUAL FIRE AND EXPLOSION HAZARDS

This is a water-based product and presents no particular fire and explosion hazard.

SECTION V – REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID

Avoid extreme heat and cold. Do not freeze.

INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid strong acids.



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HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Stable under normal temperature and pressure.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI – HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation of vapor or mist may cause headache and irritation of the nose and throat. Seek medical advice if any unusual symptoms develop.

SKIN AND EYE CONTACT RISKS AND SYMPTOMS OF EXPOSURE

If this product comes in contact with the eyes, flush with large quantities of water for at least 5 minutes and seek immediate medical attention. If this product comes in contact with the skin, wash with soap and large quantity of water.

SKIN ABSORPTION HEALTH RISKS AND SYSTEMS OF EXPOSURE

This product may cause skin irritation upon prolonged or repeated contact.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

If this product is swallowed, induce vomiting, only if victim is alert. Immediately seek medical attention. Never give anything by mouth to an unconscious person.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation: vapor or mist may cause headache and irritation of the nose and throat.

Skin Contact: prolonged or repeated skin contact can cause slight skin irritation.

Eye Contact: Direct contact with product can result in eye irritation.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Inhalation of vapor or mist can cause headache and irritation of the nose and throat.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. Get medical attention if irritation persists.

Skin Contact: Wash with soap and large amount of water.

Eye Contact: Flush with large amount of water until irritation subsides. If irritation persists, seek medical attention.

Ingestion: if swallowed, induce vomiting, only if victim is alert. Get prompt medical attention. Do not give anything by mouth to a drowsy or unconscious person.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Keep spectators away. Floors may be slippery; use care to avoid falling. Contain spills immediately by wiping up with absorbent material, then rinse with water and repeat wipe up.

WASTE DISPOSAL METHOD

Collect spilled liquid mixture into containers for recovery and disposal. Add enough water to cover. Keep spills and cleaning runoffs out of municipal sewer and open bodies of water. Consult local, state, and federal hazardous waste regulations before disposing into approved hazardous waste landfills. Obey relevant laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep from freezing to ensure product stability.

OTHER PRECAUTIONS

Do not get in eyes. Avoid contact with skin. Do not take internally.



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SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION

None required if airborne concentrations are maintained below the exposure limit. If exposure limit and TVL limits are exceeded, wear properly fitted NIOSH approved (or equivalent) half mask, air purifying respirator.

VENTILATION

Use sufficient air ventilation to control vapors and mist.

PROTECTIVE GLOVES

The use of chemically resistant and impervious gloves like nitrile rubber and neoprene gloves is advised to prevent skin irritations.

EYE PROTECTION

Safety glasses with the side shields, chemical goggles and/or face shields are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas are recommended.

SECTION IX – DISCLAIMER

To the best of International Building Products Corporation's knowledge, the information contained here is accurate, as obtained from sources by our raw materials suppliers. However, no warranty is expressed or is to be implied regarding the accuracy and completeness of this information.