

STORAGE AND TRANSPORT
 PROTECT FROM FROST/FREEZING AND STRONG RADIANT
 SUNLIGHT DURING TRANSPORTATION AND STORAGE
 STORE AT AN EVEN TEMPERATURE BETWEEN
 50° AND 100° F (10° AND 38° C)
 KEEP CONTAINER TIGHTLY CLOSED

PRODUCT DESCRIPTION:
 Isolastek International's ISOLA-GUARD WB 500 is a high-performance, two part water-based epoxy coating. ISOLA-GUARD WB 500 functions as a curing agent, water repellent and penetrating primer when applied directly over Isolastek's CAFCO FENDOLITE M-II, CAFCO FENDOLITE TG or CAFCO FENDOLITE M-II/P cement based fire protection system 24 hours after the fireproofing's application.

DIRECTIONS FOR USE:
Surface Preparation: Surface must be clean and free of any dust or loose material to ensure proper adhesion. Remove any and all traces of oil, grease, dirt, dust, biological mold or mildew and release agents.

Mixing: ISOLA-GUARD WB 500 is a catalyzed product supplied in 2 individual, pre-measured containers. Pre-mix Part B with a paint-style drill mixer to ensure any settled material is completely dispersed. Add all of Part A into Part B and mix thoroughly with a paint-style drill mixer for 3 minutes. Do not thin.
Application: Apply this product 24 hours after the application of CAFCO FENDOLITE M-II, CAFCO FENDOLITE TG or CAFCO FENDOLITE M-II/P. Use an air-assisted sprayer, brush or roller and apply product to a Dry Film Thickness (DFT) of 1.5-2.5 mils.

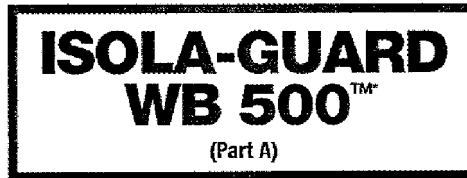
Precautions: Do not discharge into drains, watercourses, or soil. For information concerning application under very dry / low relative humidity environments, contact Isolastek International Technical Service Department.

REFER TO ISOLA-GUARD WB 500 SHORT FORM APPLICATION
 GUIDE FOR ADDITIONAL INFORMATION.

FOR PROFESSIONAL USE ONLY
 KEEP OUT OF THE REACH OF CHILDREN

SHELF LIFE 10 MONTHS WHEN PROPERLY STORED

ISOLATEK®
 INTERNATIONAL
www.isolatek.com



***PATENT PENDING**
Water-Based Epoxy Coating
Curing Agent
Water Repellent
Penetrating Primer

WE SAVE LIVES®



ISOLATEK®
 Brand

Net Contents
 1 US Gal. 3.8 L

MADE IN THE USA

Gross Weight
 10.2 LBS 4.6KG

PRECAUTIONARY STATEMENT

Contains epoxy resin. Avoid overexposure. Ensure ventilation is adequate. Four complete air exchanges per hour until material is dry. Avoid ingestion and contact with skin, eyes and clothing. Eye protection must be worn. Wash hands after using. Keep container closed when not in use. Do not transfer contents to the other containers for storage. DO NOT TAKE INTERNALLY.

EMERGENCY AND FIRST AID PROCEDURES

Skin Contact: During use, this product may cause local skin irritation. Avoid contact with skin. Wear rubber or latex type gloves. Wear typical long sleeve work clothing or a "tyvek" type suit. Wash affected area immediately with soap and water for at least 15 minutes. Remove contaminated clothing. If irritation persists, seek medical attention.

Eyes: Wear proper eye protection; at minimum, safety glasses with side shields. Flush eyes with clean water for at least 15 minutes. If irritation persists, seek medical attention.

Inhalation: For confined areas or areas with poor ventilation, use an organic vapors cartridge type respirator. If adverse effects occur, remove to fresh air. If irritation persists, seek medical attention.

Ingestion: If swallowed drink one or two glasses of water to dilute. Do NOT induce vomiting. Consult a physician or Poison Control Center at once.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.



For Technical Inquiries Contact:
 Isolastek Technical Dept. at:
 (972) 347-1200

FIG. 1

STORAGE AND TRANSPORT
PROTECT FROM FROST/FREEZING AND STRONG RADIANT
SUNLIGHT DURING TRANSPORTATION AND STORAGE
STORE AT AN EVEN TEMPERATURE BETWEEN
50° AND 100°F (10° AND 38°C)
KEEP CONTAINER TIGHTLY CLOSED

PRODUCT DESCRIPTION:
 Isolatak International's ISOLA-GUARD WB 500 is a high-performance, two-part water-based epoxy coating. ISOLA-GUARD WB 500 functions as a curing agent, water repellent and penetrating primer when applied directly over Isolatak's CAFCO® FENDOLITE® M-II, CAFCO FENDOLITE TG or CAFCO FENDOLITE M-III cement based fire protection system 34 hours after the fireproofing's application.

DIRECTIONS FOR USE:

Surface Preparation: Surface must be clean and free of any dust or loose material to ensure proper adhesion. Remove any and all traces of oil, grease, dirt, dust, biological mold or mildew and release agents.

Mixing: ISOLA-GUARD WB 500 is a catalyzed product supplied in 2 individual, pre-measured containers. Pre-mix Part B with a paint-style drill mixer to ensure any settled material is completely dispersed. Add all of Part A into Part B and mix thoroughly with a paint-style drill mixer for 3 minutes. Do not thin.

Application: Apply this product 24 hours after the application of CAFCO FENDOLITE M-II, CAFCO FENDOLITE TG or CAFCO FENDOLITE M-III. Use an air-assisted sprayer brush or roller and apply product to a Dry Film Thickness (DFT) of 1.5-2.5 mils.

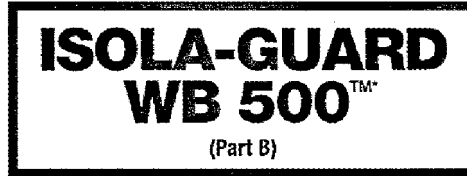
Precautions: Do not discharge into drains, watercourses, or soil. For information concerning application under very dry / low relative humidity environments, contact Isolatak International Technical Service Department.

REFER TO ISOLA-GUARD WB 500 SHORT FORM APPLICATION GUIDE FOR ADDITIONAL INFORMATION.

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SHELF LIFE 10 MONTHS WHEN PROPERLY STORED

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***PATENT PENDING**
Water-Based Epoxy Coating
Curing Agent
Water Repellent
Penetrating Primer

WE SAVE LIVES



ISOLATEK®
 Brand

Net Contents
3.1 US Gal. 11.7 L

MADE IN THE USA

Gross Weight
38.4 LBS 17.4 KG

PRECAUTIONARY STATEMENT

Contains polyamine curing agent. Avoid overexposure. Ensure ventilation is adequate. Four complete air exchanges per hour until material is dry. Avoid ingestion and contact with skin, eyes and clothing. Eye protection must be worn. Wash hands after using. Keep container closed when not in use. Do not transfer contents to the other containers for storage. DO NOT TAKE INTERNALLY.

EMERGENCY AND FIRST AID PROCEDURES

Skin Contact: During use, this product may cause local skin irritation. Avoid contact with skin. Wear rubber or latex type gloves. Wear typical long sleeve work clothing or a "Tyvek" type suit. Wash affected area immediately with soap and water for at least 15 minutes. Remove contaminated clothing. If irritation persists, seek medical attention.

Eyes: Wear proper eye protection; at minimum, safety glasses with side shields. Flush eyes with clean water for at least 15 minutes. If irritation persists, seek medical attention.

Inhalation: For confined areas or areas with poor ventilation, use an organic vapors cartridge type respirator. If adverse effects occur, remove to fresh air. If irritation persists, seek medical attention.

Ingestion: If swallowed drink one or two glasses of water to dilute. Do NOT induce vomiting. Consult a physician or Poison Control Center at once.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

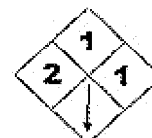


For Technical Inquiries Contact:
 Isolatak International Corp., at
 (673) 347-1200

FIG. 2

Health Hazard	(2)
Fire Hazard	(1)
Physical Hazard	(1)
Personal Protection	(B)

MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

HMIS RATING

Effective Date: February 14, 2014

Supersedes: New

Page 1 of 2

SECTION I - PRODUCT INFORMATION

1. **MANUFACTURER'S NAME AND ADDRESS:**
United States Mineral Products Company
dba Isolatek International
41 Furnace Street
Stanhope, NJ 07874
2. **EMERGENCY TELEPHONE NUMBER:**
973-347-1200
3. **CHEMICAL NAME AND SYNONYMS**
Epoxy Resin
4. **CHEMICAL FAMILY:**
Epoxy Resin
5. **FORMULA:**
N/A
6. **TRADE NAMES AND SYNONYMS:**
ISOLA-GUARD WB 500™, Part A
* PATENT PENDING

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT	WT. %	CAS NUMBER	STEL	TWA (ppm)
Diglycidyl Ether of BisPhenol A	80-95	025085-99-8	N/E	N/E
Alkyl Glycidyl Ether	5-20	068609-97-2	N/E	N/E

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

1. Boiling Point (°F): > 300
2. Weight % Solids: 100
3. Vapor Density (Air=1): < 1
4. VOC: < 0.18 lb/gal.
5. Specific Gravity (H₂O=1): 1.10-1.15
6. Melting Point (°F): N/A
7. Evaporation Rate: Slower than N-Butyl acetate.
8. Appearance and Odor: Amber liquid, mild odor.
9. Physical State: Liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

1. Flash Point (Method used): >360 °F (Setaflash closed cup)
2. Flammable Limits: N/A
3. Extinguishing Media: Water, CO₂, foam, dry chemical.
4. Special Fire Fighting Procedures: Wear positive pressure self-contained NIOSH approved breathing equipment.
5. Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

1. Stability: Stable
2. Incompatibility (Material to Avoid): Strong oxidizing agents.
3. Hazardous Decomposition Products: CO, CO₂
4. Hazardous Polymerization: Will not occur by itself. Mixing masses over one pound with isophthalic anhydride can cause heat buildup.
5. Conditions to Avoid: Mixture with or exposure to strongly acidic or basic materials.

N/A = NOT APPLICABLE
N/E = NOT ESTABLISHED

ISOLA-GUARD WB 500, Part A

FIG. 3A

United States Mineral Products Company dba ISOLATEX INTERNATIONAL
MSDS (ISOLA-GUARD WB 500, Part A)

Page 2 of 2
Date 2/14/14

SECTION VI - HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): Liquid contact with eyes or skin may cause irritation.

Carcinogenically: NTP - No IARC - No OSHA - No

Medical Conditions Aggravated by Exposure: May cause slight temporary eye irritation. Has caused allergic skin reactions in humans. Single dose oral toxicity is low. Excessive inhalation exposure may cause irritation to upper respiratory tract.

Emergency and First Aid Procedures:

Eye Contact: *Flush with water for 15 minutes. Seek medical attention.
Skin Contact: *Wash affected area with soap and water. Remove contaminated clothing.
Inhalation: *Remove to fresh air.
Ingestion: *Drink one or two glasses of water, to dilute. Do not induce vomiting. Consult a physician or poison control center at once.

*Seek medical attention for all cases of over-exposure.

USE NORMAL PERSONAL HYGIENE AFTER CONTACT TO REMOVE ANY MATERIAL CONTAMINANTS.

California Proposition 65

Warning: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

- Steps to be taken in case material is released or spilled:
Ventilate area. Spill area will be slippery. Contain spill. Recover as much as possible for reuse. Spread commercial absorbent over remainder and place into sealed containers for disposal.
- Waste disposal method:
Dispose in accordance with local, state, and federal regulations. Most states prohibit disposal of liquids in landfills.
- Precautions to be taken in handling and storing:
Avoid extreme heat and cold. Do not freeze.

SECTION VIII - CONTROL MEASURES

- Respiratory Protection:** Usually not required. However, for confined areas or areas with poor ventilation, use an organic vapors cartridge type respirator.
- Ventilation:** Mechanically exhaust vapors at point (s) of application. If applicable, maintain airborne contaminant level of chemicals below their recommended TLV's (see Section II).
- Protective Gloves:** Impervious
- Eye Protection:** Splash goggles
- Other Protective Equipment:** N/A

SECTION IX - PREPARATION INFORMATION

Prepared By: Research Department, U.S.A.
Telephone: (973) 347-1200
Effective Date: February 14, 2014

Supersedes: New

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes all risks in his use of the material.

ISOLA-GUARD WB 500, Part A

FIG. 3B

Health Hazard	①
Fire Hazard	①
Reactivity	①
Personal Protection	②

HMIS RATING

MATERIAL SAFETY DATA SHEET (OSHA 29 CFR 1910.1200)



NFPA RATING

Effective Date: February 14, 2014

Supersedes: New

Page 1 of 2

SECTION I - PRODUCT INFORMATION

- MANUFACTURER'S NAME AND ADDRESS:**
United States Mineral Products Company
dba Isolatek International
41 Furnace Street
Stanhope, NJ 07874
- INFORMATION TELEPHONE NUMBER:**
973-347-1200
- EMERGENCY TELEPHONE NUMBER:**
- CHEMICAL NAME AND SYNONYMS:**
Water-Based Epoxy Hardener
- CHEMICAL FAMILY:**
Aqueous Polyamine Curing Agent
- FORMULA:**
N/A
- TRADE NAMES AND SYNONYMS:**
ISOLA-GUARD WB 500™, Part B
* PATENT PENDING

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT	WT. %	CAS NUMBER	STEL	TWA (ppm)
Polyamine Polymer	10-15	Mixture	N/E	N/E
Tetraethylene Pentamine	<1.0%	112-57-2	N/E	N/E

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

- Boiling Point (°F): > 212°F, 100°C
- Solids in Weight Percent: 70
- Vapor Density (Air=1): No Data
- VOC: < 0.16 lb./gal.
- Specific Gravity (H₂O=1): 1.30-1.45
- Melting Point (°F): N/A
- Evaporation Rate: Slower than N-Butyl Acetate.
- Appearance and Odor: Gray-tan liquid, mild ammoniacal odor
- Physical State: Aqueous dispersion

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

- Flash Point (Method used):
(Setafish closed cup): No Data
- Flammable Limits: N/A
- Extinguishing Media: Water, CO₂, foam, dry chemical.
- Special Fire Fighting Procedures: Wear positive pressure self-contained NIOSH approved breathing equipment.
- Unusual Fire and Explosion Hazards: May generate toxic or irritating combustion products. May generate ammonia gas.

SECTION V - REACTIVITY DATA

- Stability: Stable
- Incompatibility (Material to Avoid): Strong oxidizing agents.
- Hazardous Decomposition Products: CO, CO₂, NOx, ammonia
- Hazardous Polymerization: Will not occur by itself. Mixing masses over one pound with epoxy compounds can cause heat buildup.
- Conditions to Avoid: Mixture with or exposure to strongly acidic materials.

N/E = Not Established
N/A = NOT APPLICABLE

ISOLA-GUARD WB 500, Part B

FIG. 4A

United States Mineral Products Company dba ISOLATEK INTERNATIONAL
MSDS (ISOLA-GUARD WB 500, Part B)

Page 2 of 2
Date 2/14/14

SECTION VI - HEALTH HAZARD DATA

Health Hazards (Acute and Chronic): Liquid contact with eyes or skin may cause irritation.

Cardiogenicity: NTP - No IARC - No OSHA - No

Medical Conditions Aggravated by Exposure: May cause slight temporary eye irritation. Has caused allergic skin reactions in humans.
Single dose oral toxicity is low. Excessive inhalation exposure may cause irritation to upper respiratory tract.

Emergency and First Aid Procedures:

Eye Contact: *Flush with water for 15 minutes. Seek medical attention.
Skin Contact: *Wash affected area with soap and water. Remove contaminated clothing.
Inhalation: *Remove to fresh air.
Ingestion: *Drink one or two glasses of water to dilute. Do not induce vomiting.
Consult a physician or poison control center at once.

USE NORMAL PERSONAL HYGIENE AFTER CONTACT TO REMOVE ANY MATERIAL CONTAMINANTS.

California Proposition 65

Warning: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

- Steps to be taken in case material is released or spilled:
Ventilate area. Spill area will be slippery. Contain spill. Recover as much as possible for disposal. Spread commercial absorbent over remainder and place into sealed containers for disposal.
- Waste disposal method:
Dispose in accordance with local, state, and federal regulations. Most states prohibit disposal of liquids in landfills.
- Precautions to be taken in handling and storing:
Avoid extreme heat and cold. Do not freeze.

SECTION VIII - CONTROL MEASURES

- Respiratory Protection:** Usually not required. However, for confined areas or areas with poor ventilation, use an organic vapors cartridge type respirator.
- Ventilation:** Mechanically exhaust vapors at point (s) of application. If applicable, maintain airborne contaminant level of chemicals below their recommended TLV's. (See Section II)
- Protective Gloves:** Impermeous
- Eye Protection:** Splash goggles
- Other Protective Equipment:** N/A

SECTION IX - PREPARATION INFORMATION

Prepared By: Research Department, U.S.A.
Telephone: (973) 347-1200
Effective Date: February 14, 2014

Supersedes: New

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes all risks in his use of the material.

ISOLA-GUARD WB 500, Part B

FIG. 4B



SHORT FORM APPLICATION GUIDE **ISOLA-GUARD WB 500™ ***

* PATENT PENDING



The applicator shall completely and fully read and understand the Long Form Application & Installation Manuals for the specific CAFCO® Spray-Applied Fire Resistive Materials (SFRMs) being used in conjunction with ISOLA-GUARD WB 500 prior to applying this product.

Isolatek International's ISOLA-GUARD WB 500 is a high performance, two part water-based epoxy coating. ISOLA-GUARD WB 500 functions as a curing agent, water repellent and penetrating primer when applied directly over Isolatek's CAFCO® FENDOLITE® M-II, CAFCO® FENDOLITE® TG, or CAFCO® FENDOLITE® M-II/P cement-based fire protection systems.

SUBSTRATE PREP:

Surface must be clean and free of any dust or loose material to ensure proper adhesion. Remove any and all traces of oil, grease, dirt, dust, biological mold or mildew or conditions likely to impair adhesion of ISOLA-GUARD WB 500.

MIXING:

Product is supplied in 2 component pre-measured containers. Mix Ratio by volume is 3:1 (Part B to A) as supplied.

Part B: Pre-mix Part B with a paint-style drill mixer to ensure any settled material is completely dispersed.

Part A: Add all of Part A (clear) into Part B (gray-tan) and mix thoroughly with a paint-style drill mixer for 3 minutes.

If crystallization is present in the Part A component, heat Part A contents to 100°F (38°C) for a minimum of 30 minutes or until crystallization is no longer present. Crystallization is a partial solidification of the liquid with a gritty feel and appearance.

Do not thin. Continue to mix until a uniform color is consistent throughout the mixture.

APPLICATION EQUIPMENT:

Spray: Graco 1595 or equivalent, capable of maintaining 3000psi (1.25gpm) with a 60 mesh filter in pump. Recommend 50' of 3/8" I.D. hose and a maximum of 6' of 1/4" I.D. whip hose. Recommend Graco HD Texture Plus Spray Gun Model #241-705 or equivalent with the diffuser tip removed. Recommended tip size is 0.019" with the diffuser removed.

Brush: Use a soft/medium synthetic bristle brush.

Roller: Use 3/16" smooth finish nap roller.

APPLICATION THICKNESS:

A minimum of 24 hours must be allowed after the application of CAFCO FENDOLITE M-II or FENDOLITE M-II/P.

Wet Film Thickness (WFT): Average 3.0 to 5.0 mils (0.08 to 0.13mm) applied in a single coat.

Note: If drips or sagging occurs, these should be spread into uncoated areas.

Dry Film Thickness (DFT): Average 1.5 to 2.5 mils (0.04 to 0.07mm).

FIG. 5A

APPLICATION TEMPERATURE:

Apply product when the ambient air temperature is between 50°F (10°C) and 100°F (38°C). A minimum substrate and ambient temperature of 50°F (10°C) shall be maintained prior to, during, and a minimum of 24 hours after application.

Note: For application under very dry/low relative humidity conditions please contact Isolatek's Technical Service Department

CLEAN UP:

Clean up for all equipment and supplies must be done within a maximum of 10 minutes after the pot life has expired. Materials will cure or set-up in all equipment after that. Recommend adding 8 ounces of a "citrus" type industrial cleaner to a 5-gallon pail of clean water. Thoroughly flush all equipment and supplies with a minimum of two 5-gallon pails of the cleaning solution followed by minimum of two 5-gallon pails of potable water.

THEORETICAL COVERAGE:

1594 ft² (147m²) per 4.1 gallon kit at 2.0 mils (0.05mm) DFT

SOLIDS CONTENT:

62% (± 2% by weight)

POT LIFE:

120 Minutes

PACKAGING, STORAGE & TRANSPORTATION:

4.1 U.S. gallon kit (45 lbs.) consisting of Part A (9.5 lbs., 1.0 gallons) and Part B (35.5 lbs., 3.1 gallons). Product must be stored in a dry environment with temperatures between 50°F - 100°F (10°C - 38°C). Protect against strong radiant sunlight during transportation and storage.

MATERIAL MUST BE KEPT FROM FREEZING

SHELF-LIFE:

10 months in unopened sealed containers with adherence to storage and transportation requirements.

PRECAUTIONS:

Do not discharge into drains, watercourses or soil.

HEALTH & SAFETY:

Refer to Material Safety Data Sheet (MSDS) for complete information.

For additional information, please contact the Technical Service Department at (800) 631-9600 (Option 1).



41 Furnace Street, Stanhope, NJ 07874 Tel: (800) 631-9600 Fax: (973) 347-6730
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FIG. 5B