



XL-90HV OPTICAL CLEAR

XYLEXIN® PRODUCT DATA SHEET

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DESCRIPTION:

- High performance epoxy hybrid coating
- Superior weathering and chemical resistance
- Cures at ambient temperature
- Low VOC – less than 100 grams per liter
- Field application
- Brush, Roll or Spray application
- XL 90a, Gloss, 90% sheen + at 60 degrees
- Lead and Chrome free

APPLICATION USES:

- Aviation
- Commercial transport
- Concrete & masonry
- Offshore/marine areas
- Rail & tank car construction
- Pipelines
- Industrial plants - chemical, petrochemical, waste water
- Structural Steel, Tanks

TECHNICAL DATA:

% SOLIDS by volume	75% as packaged, 71% as applied
COATINGS VOC (as packaged)	max. 3 g/l (less water & exempt compounds)
SPRAYABLE VOC (as applied)	max. 96 g/l (less water & exempt compounds) includes cure volatiles
COMPONENTS	XL Part A (resin) 4 parts / XL Part B Activator, 1 part
POT LIFE	4 hours @ 70° F, 21° C
SHELF LIFE	one year (unopened)
REDUCERS	Not required
FLASH POINT	109° F, 42.8° C
MIX RATIO	4:1 (4 parts resin : 1 part activator)
RECOMMENDED DRY FILM THICKNESS	2 mils per coat (50 microns), 1 to 2 coats
COVERAGE	401 – 200 sqft at recommended DFT (no loss)

SURFACE PREPARATION:

The XL coating may be applied over appropriately prepared steel, aluminum, galvanizing, concrete, masonry, and coated surfaces. The XL coating may also be applied over appropriately primed substrates.

Steel – Clean the surface of all foreign material SSPC-SP1 and SSPC-SP2 or SSPC-SP3, 6, or 7. Substrate must be clean and dry prior to application of the XL coating. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

Aluminum & Galvanizing – Clean the surface of all foreign material SSPC-SP1 and SSPC-SP2 or SSPC-SP3, 6, or 7. Substrate must be clean and dry prior to application of the XL coating. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

Concrete & Masonry – Surface must be cured, clean, dry, and free of contamination and disintegrated or chalky materials. SSPC-SP13 may be used for surface preparation of concrete and masonry block. . Substrate must be clean and dry prior to application of the XL coating. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

Coated surfaces – Physically abrade existing coated surfaces thoroughly and completely with 220 grit or equivalent abrasive paper or scuff pad. . Substrate must be clean and dry prior to application of the XL coating. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

INSTRUCTIONS – MIX RATIO:

Stir, shake or mix Part A **thoroughly** first and then thoroughly mix in Part B to ensure uniform mixture. Mix 4 parts XL A resin with 1 part XL B Activator.

Additional reduction is not necessary.

APPLICATION: Apply using 40-55 PSI at the gun for siphon and gravity feed spray guns, 10 PSI max. at the air cap for HVLP spray guns. Apply 1-2 medium wet coats until desired coverage and flow is reached. Allow a 5 to 10 minute flash time between coats. Recommended film thickness is 2.0 to 5.0 mils DFT. Surface temperatures must be at least 5° F (3° C) above the dew point for application. Relative humidity below 40 % will extend the dry times.

SPRAY GUN SET-UP & PRESSURE:

<u>Type</u>	<u>Fluid Tip</u>	<u>Spraying Pressure</u>
Siphon Feed	1.4mm – 1.7mm	40-65-PSI
Gravity Feed	1.3mm – 1.4mm	40-65 PSI
HVLP Siphon	1.3mm – 1.5mm	max. 10 PSI @ the air cap
HVLP Gravity	1.3mm – 1.5mm	max. 10 PSI @ the air cap
Brush – natural bristle		
Roller – ¼ to ¾ inch nap, phenolic core		

DRY TIMES:

Dry times @ 70°F (21°C) and 50% RH

Tack Free	4 hours
Dry Time	24 hours
Recoat	May be recoated with itself at any stage.

CLEAN UP:

Follow local, state and federal regulations. Acetone may be used to clean application equipment immediately after use.

Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin.

DISCLAIMER: The technical information and suggestions for use have been compiled for your guidance and usage. Such information is based on experience and research and is believed to be reliable. As the manufacturer has no control over conditions in which the product is used, stored, or otherwise handled, the above information does not constitute a warranty. Buyers must assume responsibility for the suitability of the product for their purposes.

Express Limited Finish Warranty for Mirage Products' Xylexin® Applications to Authorized Substrates

1. **LIMITED WARRANTY COVERAGE—FINISH ONLY.** Subject to the terms, conditions, and limitations described below, Mirage Products, LLC (“**Mirage Products**”) warrants that the finish of Xylexin® (“**Xylexin**”), as applied by Mirage Products or its trained and authorized installers, to stone, ceramic, porcelain tiles, concrete, or other substrates authorized in writing by Mirage Products (“**Substrates**”), for a period of ten (10) years from the date of application of the product (the “**Warranty Period**”), will be free from defects in manufacture or application and will not itself: peel, crack, fade, stain, or chip (collectively, “**Damage**”). In the event such Damage occurs during the Warranty Period, Mirage Products, as its sole liability and in lieu of any direct, indirect or consequential damages will, during the first year, pay for reasonable fees for replacing materials in an amount equal to the purchase price of the product, with such reimbursement decreasing by 10.0% per year during each of the following 9 years. Mirage Products makes no warranty of any kind with respect to any cracking, chipping or failure of Substrates on which Xylexin is applied.
2. **CONDITIONS OF WARRANTY.** This warranty is subject to the following terms and conditions:
 - a. This warranty applies only to the original purchaser of Xylexin and all transferees prior to and including the owner of the structure on which such Xylexin is installed at the time of installation.
 - b. This warranty applies only to Xylexin installed in the United States, its trust territories, or Canada.
 - c. Xylexin must be installed according to the printed installation instructions supplied by the manufacturer of Xylexin, and according to all building codes adopted by federal, state or local governments or government agencies. Xylexin must be installed by a trained Xylexin installer authorized by Mirage Products. Failure to apply Xylexin according to the manufacturer’s published instructions voids the warranty. Xylexin must be used for its intended purpose, as published by Mirage Products, on a Substrate.
 - d. Any unauthorized dilution, mixture or other adulteration of Xylexin voids this warranty.
 - e. To make a claim under this warranty, the claimant must, within thirty (30) days after discovery of any claimed Damage covered by this warranty, and before attempting any repair, provide written notice of the Damage to Mirage Products at the address shown below. This notice must include the following information:
 - i. Claimant’s name, mailing address and daytime and evening telephone numbers where claimant may be reached concerning the claim;
 - ii. Proof that claimant is a person covered by this warranty;
 - iii. A copy of the warranty on which the claim is based;

- iv. The address of the structure on which Xylexin is installed;
- v. The date on which Xylexin was purchased;
- vi. The date on which the installation of Xylexin occurred;
- vii. A written description of the claim, including the Damage of the Xylexin finish that the claim asserts has occurred, the date on which the Damage occurred, the location and details of the Damage and such other information as is necessary for Mirage Products to investigate the claim; and
- viii. A photograph of the Damage reported in the claim.

Address for Submitting Claims:
Mirage Products, LLC
346 South Mountain Way Drive
Orem, UT 84058

- f. The failure to notify Mirage Products of the claim within the thirty (30) day period or the failure to provide all of the required information concerning the claim shall bar the claimant from recovery under this warranty.
- g. The claimant must allow Mirage Products or its agent thirty (30) days after Mirage Products receives the written notice of claim required above, to examine, photograph and take samples of Xylexin that the claimant claims is Damaged.
- h. ANY REPAIR OF XYLEXIN UNDERTAKEN WITHOUT PRIOR WRITTEN AUTHORIZATION FROM MIRAGE PRODUCTS WILL VOID THIS WARRANTY.

3. EXCLUSIONS. This warranty does not cover Damage resulting from, or in any way attributable to:

- a. Damage to Xylexin that occurs in connection with its transit, delivery, loading or unloading, or storage prior to installation;
- b. The improper application of Xylexin;
- c. Application of Xylexin by an installer not trained or authorized by Mirage Products;
- d. Abuse, including the use of cleaning chemicals not approved by Mirage Products;
- e. Misuse;
- f. Re-use;
- g. Repair or alteration not authorized by Mirage Products;
- h. Settlement or structural movement and/or movement of Substrates to which Xylexin is attached;
- i. Acts of God including, but not limited to, hurricanes, tornados, floods, earthquakes, severe weather or other natural phenomena, (including, but not limited to, unusual climate conditions);
- j. Painting, staining or otherwise covering or finishing the Xylexin finish;
- k. Growth of mold, mildew, fungi, bacteria, or any organism on any surface of the Substrate (whether on the exposed or unexposed surfaces) and in this respect, ANY CLAIMS OF DAMAGE CAUSED BY MOLD OR MILDEW ARE EXPRESSLY EXCLUDED;
- l. Lack of proper maintenance;
- m. Cracks, chips or other defects in the Substrate itself (instead of the Xylexin finish);
- n. Environmental pollution; and
- o. Any cause other than those resulting from defects or errors in the manufacture or application of the Xylexin finish.

4. **DISCLAIMER.** MIRAGE PRODUCTS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, TITLE, INFRINGEMENT OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE, WITH RESPECT TO XYLEXIN. A CLAIMANT'S SOLE REMEDY, AND THEREFORE MIRAGE PRODUCTS' ENTIRE LIABILITY, WHETHER IN CONTRACT, TORT, STRICT PRODUCTS LIABILITY, OR DERIVED FROM STATUTE SHALL BE LIMITED TO REIMBURSEMENT PROVIDED IN THIS WARRANTY, AND UNDER NO CIRCUMSTANCES SHALL MIRAGE PRODUCTS BE LIABLE FOR LOST PROFITS, SPECIAL, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES. NO OTHER WARRANTY WILL BE MADE BY OR ON BEHALF OF MIRAGE PRODUCTS OR BY OPERATION OF LAW OR BY USAGE OF TRADE OR COURSE OF DEALING WITH RESPECT TO THE PRODUCT OR ITS INSTALLATION, STORAGE, HANDLING, MAINTENANCE, USE, REPLACEMENT OR REPAIR.

Some states do not allow exclusions or limitations of incidental or consequential damages so the above limitation may not apply to you. This warranty gives you specific legal rights and you may have other rights that vary from state to state.

No Mirage Products employee, representative, distributor, reseller or dealer is authorized to make any modifications or additions to this warranty except by a document executed by a Mirage Products corporate officer.

5. **GOVERNING LAW.** The law of the State of Utah, without regard to its conflict-of-laws principles, governs the legal effect, meaning, construction and interpretation of this Warranty. Only courts located in Salt Lake County, Utah shall have jurisdiction to decide a claimant's claims—whether based in tort, contract, strict products liability, or statute—arising out of any claimed Damage in the Xylexin finish.
6. **MODIFICATION OR DISCONTINUATION OF PRODUCTS.** Mirage Products reserves the right to modify or discontinue (whether completely or partially) any of its products without notice and shall not be liable as a result of such modification or discontinuation.