



Vital Coat

X-440 RTU & X-440 Concentrate

Technical Data Sheet (TDS)

Description

Vital Coat X-440 sealer is a high performance, high solids water based low VOC Silane Siloxane penetrating sealer and water repellent for concrete and masonry surfaces. It penetrates deep into the surface and chemically reacts with the concrete to create a protective hydrophobic water repellent barrier yielding a longer lasting protection against water intrusion, salts, staining, freeze/thaw, mold and mildew, efflorescence, dusting, scaling and spalling. X-440 is a non-yellowing, UV resistant sealer that does not leave behind a visible surface film, and will not change the look or color of the surface. It will preserve the natural characteristics of the treated substrates.

Primary Applications

X-440 Penetrating Sealer can be applied to residential and commercial, interior or exterior, horizontal or vertical structures. It protects concrete and masonry surfaces including architectural concrete, concrete block, split-face block, pavers, stucco, porous and dense brick, clay tile, etc. It is also an excellent choice for high-traffic areas because it does not create a slippery film on top of the surface. X-440 helps protect your concrete and masonry surfaces to resist common issues such as staining, cracking, spalling, efflorescence, and other damages caused by intrusion of water.

Features/Benefits

- *Does not change appearance of Substrate
- *Reduces deterioration from spalling due to salt exposure
- *Excellent resistance to mold and mildew
- *Reduces chloride penetration
- *Reduces dirt pick-up
- *No slippery film is formed
- *Provides superior water repellency while allowing substrate to breath
- *Works on new or existing structures
- *Provides a hydrophobic barrier to prevent water penetration
- * Freeze/Thaw/de-icing salt resistant
- *Efflorescence and strong alkali resistance
- *UV resistant

Technical Information

Property	Result
Solids	5% 10%
Appearance	Milky White Emulsion - Dries Flat/Clear
Odor	Mild
pH	9-Jun
Application Temperature	50°F - 90°F
Flashpoint	999°F
VOC Content +/-2%	<30g/L
Dry to Touch	2 hours
Dry for Traffic	8 to 10 hours

Packaging

It is available in 1 Gallon (3.79 Liter) jugs, 5 Gallon (18.93 Liter) Pails, 55 Gallon (208.20 Liter) Drums, and 275 Gallon (1041 Liters) Totes. Delivery Restrictions May Apply. See shipping terms in terms and conditions. Other quantities available upon request.

Coverage

Coverage rate is approximately 150 - 250 ft.2 /gal. (1.2 - 6.1 m2 /L). Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application.

Shelf Life

This product has a shelf life of up to two years in its original, sealed, unopened container. If product appears to be hardened or separated contact Vital Coat before use.

Directions for Use

General Instructions: Before using this product read the Technical Data Sheet (TDS) and the Safety Data Sheet (SDS) found at www.vitalcoat.com. Apply in temperatures between 40°F - 90°F (4°C – 32°C). Always tighten lid thoroughly after use. Always perform a test application for proper penetration on each type of surface prior to full-scale application to determine suitability and final appearance. Test using the recommended application instructions. Let area dry thoroughly before inspection.

Surface Preparation: Surface preparation is important. Surfaces must be structurally sound, clean and free from as much dirt, stains, efflorescence, oil, and other contamination as possible. Protect people, vehicles, property, plants, and all surfaces from exposure to the product, from splash, residue, and wind drift before application. Do not mix or add any other chemical to this product. Insure that surface is thoroughly dried before application. Excessive moisture inhibits sealer penetration. A small test must be conducted prior to application. Based upon this test, the purchaser shall determine for themselves the suitability of this product for the intended use. Allow 14 - 28 days for new concrete or masonry to cure before applying X-440.

Application: X-440 can be sprayed, brushed or rolled. For best results, using a quality sprayer capable of a producing a steady pressure under 40 psi. A .1 - .2 GPM tip is recommended. Completely saturate the surface ensuring that the entire surface is saturated. Do not let the product puddle on the surface or dry on the surface. Back roll with a brush or a medium nap paint roller. **DO NOT OVERAPPLY.** Let dry for 10 to 15 minutes. If second coat is needed, apply wet-on-wet. On highly permeable surfaces, additional coats may be necessary. On vertical applications, apply from the bottom up. Protect surfaces from rainfall for six hours following treatment. Many surfaces need several days to develop optimum water repellency. Immediately clean tools, equipment, and overspray with soap and warm water.

Drying: Do not touch treated surface during dry time. Do not add water or allow water to come in contact while curing. Protect surface from debris coming in contact with surface while drying. Allow to dry completely for approximately 24 hours before allowing heavy traffic on the treated surface.

Clean-up

Immediately after use, Clean tools and equipment with soap and water. Dispose of containers in accordance with local and federal regulations.

Precautions/Limitations

Before handling, consult the Safety Data Sheet and Container Labels for physical and health hazard information.

Do not allow products to freeze in storage or during application.

It is not recommended to apply Vital Coat Sealers over other types of sealers.

Minimum surface and ambient temperature of 45°F (7°C) and rising at the time of application.

For optimum results, condition material to 65°F to 85°F (18°C to 29°C) at least 24 hours prior to use.

Do not alter or add any other chemical to the product. Do not dilute unless specified in the Technical Data Sheets.

X-440 will not hide existing surface stains. Temporary darkening of some substrates may occur

Not intended for use on surfaces that will be constantly be submerged in water.

Mix well before using.

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