

Section 09800 SPECIAL COATINGS  
Simix Supreme Shield  
2 – Step Restoration & Protection System  
Vinyl or Canvas Fabric  
Product Specification Sheet

Part 1 – General

1.01 SECTION INCLUDES

- A. A two – Step Restoration & Protection System. Step 1, Algae and mold remover (if needed) is for the deep cleaning of substrate and removal of Oxidation off older surfaces. Step 2, Non-Wax Clear Coating is a fully catalyzed Clear Coating that is applied by a wipe on wipe off technique on hard surfaces, and by airless sprayer on vinyl and fabric @ 1500 sq ft per gallon and left to dry. This formulation is designed to increased abrasion resistance from wind borne contaminates, mitigate the intrusion of chloride ions, prevents algae and mold growth, stop oxidation, non yellowing, can be easily re coated without stripping and keeps surfaces cleaner longer because of the Self Cleaning NP Technology.

1.02 SYSTEM DESCRIPTION

Step 1 of the System works by penetrating into the surface to safely and effectively lift contaminants and remove contaminate build up along with surface oxidation. This first step is used on older surfaces to assure a properly cleaned surface for step 2 to attach properly. Step 2 of the System works by penetrating into the now opened pores that are found in Vinyl and Fabric , to form a bond that will leave the surface smooth and protected. The Clear Coating reacts with the surfaces to which it is applied because of propriety cross linking mechanisms that can only be removed chemically or physically.

- A. Treatment is a water-based liquid, with a proprietary formula in solution that requires agitating to re suspend the Nano-particles of TiO<sub>2</sub>.

1.03 QUALITY ASSURANCE

- A. The treated area shall demonstrate no mold growth, water repellency, non yellowing, protection against air borne contaminants, easily repaired without stripping, can build multiple coats for greater protection, surfaces stay cleaner longer and easier to clean surfaces.
- B. EPA – Environmental Protection Agency: All components must be V.O.C. compliant to current regulations.
- C. Applicator shall provide upon request a valid contractor's license issued for window cleaning, waterproofing/painting trade and or other licenses required in the state in which this work will be done.

#### 1.04 SUBMITTALS

- A. Applicator shall furnish for approval, immediately upon request, material specifications together with MSDS and supporting data for the system. Owner shall respond within 15 days of receipt of such material.
- B. Owner reserves the right to accept or reject the treatment as it may deem necessary for compliance with information given in the bid documents.
- C. The specified product's shall be, Simix Algae and Mold Remover, and the Simix Supreme Shield Non-Wax Clear Coating as manufactured by:  
Simix Corporation, 9180 Prairie Village Drive, Kenosha, WI 53142  
Phone: 262 – 948 – 0567, Fax 262 – 948 – 0569.

#### 1.04 ENVIRONMENTAL REQUIREMENTS

- A. Application of the Simix Supreme Shield 2 Step Restoration & Protection System shall meet with all current environmental laws as prescribed by all governing agencies.
- B. Temperature and humidity of installation environment shall be at anticipated service conditions.
- C. Provide adequate ventilation during application within an enclosed space.
- D. Disposal of containers and materials and all costs thereof shall be the responsibility of the applicator.

#### Part 2 – Products

##### 2.01 MATERIALS

- A. Algae and mold remover for Vinyl and Fabric shall be a powdered form, mixed per specifications with hot water and sprayed on surface, let dwell for 10-12 minutes (do not let dry on surface) and rinsed off to remove surface contaminants and oxidation.
- B. Surface Treatment will be the Non-Wax Clear Coating and shall be a clear, penetrating, non-toxic, non-acrylic, non-epoxy, water-based material which is non film-forming.
- C. .

#### Part 3 – EXECUTION

##### 3.01 EXAMINATION AND PREPARATION

Surface preparation shall follow the guide lines established by the manufacture of the Surface to which this product is to be applied.

- A. Treatment shall not be applied to damp, frozen or dirty, non-absorptive surfaces. Treatment is not to be used on top of other treatments such as Acrylics, Urethanes or Epoxies without first doing a test patch to determine compatibility.
- B. Surface shall be cleaned and prepared in accordance with the manufacturers written installation/application instructions.

### 3.02 APPLICATION

- A. Material application shall be in accordance with the manufacturer's currently published specifications.
- B. Reapplication: An additional application is suggested at 3-6 months, and then reapplied at 12 month intervals. In some harsher, tropical environments, an additional application may be needed at 6 months.

Any application can be done at any time, as long as the substrate is clean of debris and dry. If substrate is dirty, We suggest Oxi-One All purpose cleaner and completely dry surface before reapplication.

### 3.03 PROTECTION

- A. Owner shall be responsible for the protection of the surfaces immediately after completion and acceptance. Never apply the Simix Supreme Shield 2 – Step Restoration & Protection System when surface temperature is less than 40 degrees
- F. Contractor shall be responsible for such protection until owner's acceptance.

END OF SECTION  
CONTENTS

Simix Corporation – Kenosha, WI – 262 – 948 - 0567