# **Integrity Field Service Guide**

## **DUR-A-SHIELD DS 2000 Application**



#### YOU WILL NEED TO SUPPLY

Safety glasses Isopropyl alcohol

Protective gloves 1:10 Household bleach to water solution

1" Sponge brush Rag or Brush

CAUTION: Protective gloves and eye protection should be worn at all times when working with the solutions mentioned in this instruction. Review MSDS's for all chemicals prior to use. (MSDS for DUR-A-SHIELD solution is included on back side of this instruction.

## **Surface Preparation**

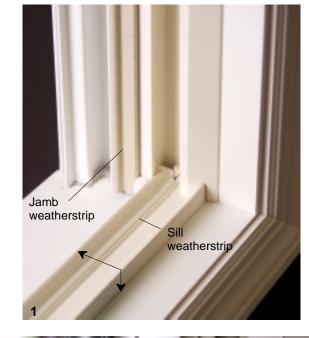
1. Remove all dirt, oils, and other surface contaminates with the bleach solution. Once the surface is clean, remove any residual bleach solution with isopropyl alcohol as a final cleaning step and to aid in surface drying.

## **Application**

- 2. All surfaces that will be treated with DS 2000 should be thoroughly dried.
- 3. Use a 1" sponge brush to apply the DS 2000. Take care to apply the coating to Ultrex<sup>®</sup> and vinyl components only. Excess will leave a film or spots on other surfaces.
- 4. Allow all treated areas to dry thoroughly for at least one hour prior to closing or operating windows.

#### Locations to Clean and Treat

- 5. Fully raise the bottom sash on double hung units and open operator sash on Glider units.
- On double hung units, thoroughly clean and treat the full width of the sill between the interior vertical leg and the exterior edge of the sill weatherstrip as shown in fig. 1.
- 7. Clean and treat the bottom balance tube channels (operator side only on gliders) from the bottom of the balance tube to the sill at locations shown in fig. 2.
- 8. The checkrail weatherstrip on the top sash (double hung) may also be cleaned and treated however it is advisable to remove the sash first. See fig. 3.
- 9. Clean and treat any other contaminated areas.







### MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910,1200 and OSHA Form 174 IDENTITY AND MANUFACTURER'S INFORMATION NFPA Rating: Health-2; Flammability-0; Reactivity-0; Special-0 HMIS Rating: Health-2; Flammability-0; Reactivity-0; Personal Protection-0 DOT Hazard Classification: NON HAZARDOUS Identity (trade name as used on label): DISTRIBUTED BY : DUR-A-SHIELD 4996 Palm Coast Parkway NW Suite # 5, ANTI-MICROBIAL DS-2000M Address: Palm Coast, Florida 32137 SURFACE PROTECTION Prepared By: RG MSDS Number: X-2501 Date Prepared: 1-2-00 NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA nformation Calls: (909)446-4371 EMERGENCY RESPONSE NUMBER: (800) 255-3924 SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION OSHA PEL ACGIH Carcinogen COMPONENTS-CHEMICAL NAMES AND COMMON NAMES CAS Number III LIST TLV (ppm) Ref. Source \*\* (Hazardous Components 1% or greater; Carcinogens 0.1% or greater) (ppm) N/E 19.00 NOT HAZARDOUS N/E N/E N/E ACRYLIC POLYMER N/E N/E DIETHYLENE GLYCOL MONOETHYL ETHER 7.00 111-90-0 N/E N/E N/E TRYBUTOXYETHYL PHOSPHATE 2.00 78-51-3 N/E N/E N/E N/E N/E ZINC AMMONIUM CARBONATE COMPOUND 2.00 38714-47-5 N/E N/E SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS Specific Gravity: 1.04 Percent Volatility: 77.00 % pH of Product : 8.5 Vapor Pressure: N/E Max Evaporation Rate: <1.00 Vapor Density >1.00 Bolling Ponit: >212 Viscosity: <100 cps V.O.C: 56.1 g/Liter Solubility in Water: Soluble Appearance and Odor: Milky White Liquid With Pleasant Odor. SECTION 3 - FIRE AND EXPLOSION HAZARD DATA Auto Ignition Temperature Flammability Limits in Air by % in Volume: FLAMMABILITY as per USA FLAME PROJECTION TEST N/E N/A NOT APPLICABLE EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water. FLASH POINT AND METHOD USED (non-aerosols): N/E SPECIAL FIRE FIGHTING PROCEDURES; Self-contained breathing apparatus Unusual Fire & Explosion Hazards: TOXIC FUMES MAY BE EMITTED IF MATERIAL IS EXPOSED TO EXTREME TEMPERATURES. SECTION 4 - REACTIVITY HAZARD DATA HAZARDOUS POLYMERIZATION [ ] WILL [ X ] WILL NOT OCCUR
Conditions to Avoid: KEEP AWAY FROM HEAT OR OPEN FLAME. STABILITY [ X] STABLE [ ] UNSTABLE incompatibility (Mat. to avoid): VERY STRONG OXIDIZING AGENTS Hazardous Decomposition Products: Smoke, Carbon Monoxide, Carbon Dioxide and other Toxic Fumes. SECTION 5 - HEALTH HAZARD DATA PRIMARY ROUTES OF ENTRY: [X] INHALATION [X] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS ACUTE EFFECTS: None Known. Inhalation: Prolonged exposure to vapors may cause signs & symptoms of Central Nervous System Depression such as Headache, Dizziness, Weakness and Loss of Coordination. Vapor/Mist may result in Irritation to the entire Respiratory Tract. Skin Contact: Prolonged or Repeated skin contact may result in skin Eye Contact: Contact with eyes may result in severe eye irritation and irritation leading to Dermatitis. Defatting of skin may also occur. possible damage of the Corneal. Redness and Tearing. Ingestion: ingestion of this product may result in Gastrointestinal irritation, Headache, Nausea, Vomiting and Diarrhea. CHRONIC EFFECTS: None Known. Medical Conditions Generally Aggravated by Exposure: None Known. EMERGENCY FIRST AID PROCEDURES Eye Contact: Remove contact lenses immediately. Flush eyes with plenty of water for at least 15 minutes. Get immediately medical attention. Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and wash before reuse. Get medical attention if needed. Inhalation: Remove to Fresh Air. Give Oxygen or CPR. Get immediately medical attention. ingestion: Do not give anything by mouth to an unconscious or convulsing person. Do not induce vomiting. Get immediately medical attention. SECTION 6 - CONTROL AND PROTECTIVE MEASURES Respiratory Protection (specify type): USE SELF CONTAINED AIR MASK IN CLOSED ROOMS Eye Protection: SAFETY GLASSES OR MONOGOGGLES. Protective Gloves: Neoprene or Rubber Gloves. Ventilation Requirements: GOOD VENTILATION SHOULD BE MAINTAINED Other Protective Clothing & Equipment: Impervious apron and boots. Provide emergency safety showers and eye wash fountain near work area. Hyglenic Work Practices: Do not mix this product with other chemicals. Toxic Fumes may be emitted. SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE Steps To Be Taken if Material is Spilled Or Released: KEEP UNNECESSARY PEOPLE AWAY. SPILLS ARE SLIPPERY, DIKE & CONTAIN WITH INERT ABSORBENT MATERIAL. COLLECT FOR DISPOSAL Waste Disposal Methods: CONSULT LOCAL AUTHORITY FOR ALTERNATE METHODS, OBSERVE ALL LOCAL, STATE & FEDERAL REGULATIONS. Precautions To Be Taken in Handling & Storage: STORE IN A COOL WELL VENTILATED AREA AWAY FROM SPARK, HEAT AND OPEN FLAME. Other Precautions & or Special Hazards: KEEP OUT OF REACH OF CHILDREN.