SPEC DATA SHEET

Vassguard

Industrial Coating, 100% Solid Barrier Mastic

SECTION 1 - PRODUCT DESCRIPTION

Vassguard is a high performance solvent free epoxy, with a two component coating, formulated to achieve drying and curing (polymerization) at room temperature.

SECTION 2 - TYPICAL USE

Vassguard has been developed for marine environments and as protective coating for use on properly prepared steel and concrete.
Its excellent flexibility, adhesion, abrasion and sulfuric acid resistance makes Vassguard an ideal coating for concrete, steel, wood, pipe lining, and tanks. It is generally used on chemical industries, oil refineries, water treatment plants, and food process plants. It is Suitable for salt, fresh and waste water immersion services.

Special Qualifications: Vassguard meets all specified requirements on MIL-P-23236.

SECTION 3 - PRODUCT ADVANTAGE

- Excellent abrasion resistance
- Excellent flexibility and impact resistance
- Excellent adhesion
- Excellent solvent and alkali resistance
- Excellent corrosion resistance
- Water vapor cleansing resistant and nuclear radiation
- Film in not affect by humidity during the cured time
- 100% Solid
- Zero Volatile Organic Compound Content
- Vassguard has been approved by the Autoridad de Acueductos y Alcantarillados agency to be used on Waste Water Plants, on pipes, records and structures sanitary sewer projects.
- Vassguard has been used by the Authority of Roads to paint floors for heavy traffic of forklift and machine rooms.

SECTION 4 - COLOR

Available in a Gray and Red colors

SECTION 5 - GLOSS

High Gloss (95 – 100) @ 60 degrees

SECTION 6 – COMPOSIT ION

Formulated with epoxy resins and amidoamines or polyamines curing agents and pigments free of lead, chromate and mercury.

SECTION 7 – PHYSICAL AND CHEMICAL PROPERTIES

Viscosity (Part A y Part B): 95-105 Ku (Stormer)
Flash Point: 140 ºF
Weight per gallon: 10.38 +/- .15 Lbs
Solids per Volume: 100%
VOC+ 0 g/Lt

Adhesion: Stronger than concrete
Tensile Strength (ASTMD 638): 6700 PSI
Flexural Strength: 11000 PSI
Elongation (ASTMD 638): 1.8%
Water absorption @ 25°: 16

SECTION 8 – SURFACE PREPARATION

All surfaces must be clean, dry and free of contaminants such as dirt, grease, chalk, mildew, and oils. The cleaning and preparation method used will depend on the surface condition and type. For specific instructions, please contact Master Paints and Chemicals representative.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you star, find out how to protect yourself and your family by contacting the USEPA National lead Information Hotline at 1-800-424 LEAD or log on to www.epa.gov/lead.

SECTION 9 – APPLICATION

Mix well before use. Mixing ratio: 2 parts by volume of **Vassguard part A** to 1 part by volume of **Vassguard part B** hardener. Pot life after mixing: 20 – 35 minutes at 85 ºF, thinning in not required.

Recommended Film Thickness: 20 mils dry
Coverage: 267 square feet per gallon, two to three applications are generally needed**.** Two applications when using airless equipment and three applications when the material is rolled. When coverage is calculated one must take in consideration: method of application, application loss, and condition of surface.
Thinning: Not required
Dry time: To touch: 8 hours @ 85ºF
Second application: 10 hours. Maximum time between applications must not exceed 24 hours.
Complete setting: 5 days

SECTION 10 – APPLICATION TOOL

Apply with roller, air atomizer or airless spray equipment, and brush in a small areas.
Conventional Spray: Manufacturing: DeVilbiss Binks, Gun Model MBC or JGA No. 18 or 62, Tip 704E / 66PE
Airless Spray: Manufacturing: Binks Graco DeVilbiss, Gun Model: 205-591 Model 500 JGN-501
Pump: Mercury Bulldog 5C QFA-519; 0.018 "-.021" Tip at 2400-2700 PSI
Clean the equipment with Master Paint Thinner V-350.

SECTION 11 – CAUTION

Do not paint in damp, frosty or cold weather. Do not take internally. In case of ingestion, do not induce vomit. Close container after each use. Spray equipment must be operated with care. Use this product with appropriated ventilation. Use respiratory protection (NIOSH/MSHA TC23C or equivalent), eye protection and protective clothing. Keep out of reach of children.

SECTION 12 – FIRST AID

In case of skin contact, remove product from skin with soap and water. When eye contact with products occurs, rinse affected area with large amounts of water at least 15 minutes and get immediate medical attention. If swallowed, medical attention is needed immediately. Do not induce to vomit, drink two glasses of water or milk to reduce concentration. If inhalation causes physical discomfort, remove to fresh air, if discomfort persists or any breathing difficulty occurs, get medical help. For more information, ask for the product's Material Safety Data Sheet, available at Master Paint & Chemical Corp.

SECTION 13 – PACKAGING

1 gallon and 5 gallon pails

The information and recommendations set forth in this Product Data Sheet are based upon test conducted by Master Paints and Chemical Corp. Since application variables are a major factor in product performance, this information should serve only as a general guide. Improvements in coating technology may cause future technical data to vary from what is in this bulletin. Consult your Master Paints and Chemical Corp. representative or call 787 835 4000 to obtain the most recent Product Data Sheet.