

PRODUCT DATA BULLETIN II

GUARDIAN GENERAL PURPOSE PRIMER

DESCRIPTION AND PURPOSE:

Guardian General Purpose Primer is a low viscosity polymer enhanced water borne primer especially formulated to prepare smooth and granule surfaced asphalt, smooth and granule surfaced modified bitumen, CSPE, CPE, PVC and sprayed in place urethane foam roofs for coating with SWEPCO's Guardian Line of roof maintenance products. Consult the appropriate application literature for more information.

OUTSTANDING FEATURES:

PROMOTES DURABLE BONDING

Priming with Guardian General Purpose Primer helps insure maximum performance from other waterproofing materials on a wide variety of surfaces. Guardian General Purpose Primer allows new coatings to form a stronger and more durable bond. It also helps eliminate both surface friction and absorption of coatings applied on weathered roofs. The net result is a better waterproofing membrane and lower material and labor costs.

HELPS CONTROL BLEED THROUGH

A common problem with thin film waterproofing applications is staining of finish coatings caused by asphalt bleed through from the existing surface. By sealing old surfaces properly, Guardian General Purpose Primer helps prevent bleed through and staining.

SUPERIOR INGREDIENTS INSURE SUPERIOR PERFORMANCE

Guardian General Purpose Primer's outstanding performance is the direct result of quality ingredients and meticulous processing. Premium quality polymers, high solids content and advanced water base formulation technology help insure maximum adhesion, flexibility and toughness.

LOW VOC MEANS IT IS ENVIRONMENTALLY FRIENDLY

Guardian General Purpose Primer is the result of new generation low VOC water borne formulation technology. It has an extraordinarily low VOC rating of 8.0 grams/liter or 0.067 pounds/gallon. That means it doesn't pollute the environment the way other products do.

FAST DRY FORMULA SAVES TIME AND LABOR COST

The quick dry formula permits roofing work to continue with little interruption. Guardian General Purpose Primer usually dries sufficiently for recoating in one to two hours. That means most work can proceed without delays with proper job planning. And faster application means lower application costs.

EASY TO APPLY

Low viscosity and extended coverage rate make application fast and easy. Guardian General Purpose Primer is applied straight from the container with sponge mop, brush, roller or airless spray equipment. It requires no heating or thinning and eliminates the fire hazards associated with these steps.



GENERAL DATA:

TYPICAL PHYSICAL PROPERTIES

Viscosity, Stormer, @77°F (25°C), KU	65
Specific Gravity, @60°F (15.5°C)	1.02
Unit Weight, lbs/gal	8.46
Unit Weight, kg/liter	1.01
Flash Point	NA
Drying Time, hours	1-2
Color, wet	Milky White
Color, dry	Clear
Odor	Sweet

TYPICAL PERFORMANCE PROPERTIES

Water Absorption (ASTM D-471)	Nil
Moisture Vapor Transmission	7.2-9.0
Workability	Permits application by sponge mop, soft bristled brush, roller or airless spray equipment
Adhesion to Primed Modified Bitumen, Smooth Asphalt, SPUF, CSPE, CPE, Metal	Excellent
Storage Stability	One Year (Protect from Freezing)

TYPICAL CHEMICAL PROPERTIES

VOC Content, lbs/gal (ASTM D-3960)	0.067
VOC Content, g/liter (ASTM D-3960)	8.0
Non Volatiles, % wt (ASTM D-2824)	35.0
Volatiles, % wt (ASTM D-2824)	65.0

APPLICATION INFORMATION:

IMPORTANT: Guardian General Purpose Primer is a premium quality roofing primer, designed to prepare existing and new multi-ply smooth and granule surfaced asphalt, multi-ply or single ply smooth and granule surfaced modified bitumen, CSPE, CPE, PVC, sprayed in place polyurethane foam and metal roofs for additional water-proofing work with SWEPCO's Guardian Line of roof products. It is not designed for use on nor should it be applied directly to coal tar pitch roofs, wood surfaces, slate, glazed tile or any other brittle surface. Nor should it be applied *directly* to insulation, bare concrete decks, uncoated organic felts, corrugated asbestos cement or asphalt composition shingles. If this product is being used as part of a warranted SWEPCO Roof System, consult the system installation literature for additional instructions before use.

PREPARATION: The roof surface should be sound, clean and dry. The surface must be thoroughly cleaned free of all dust, dirt and loose debris or other contaminants which could inhibit proper bonding. (For detailed surface requirements and other information, see the appropriate SWEPCO Roof System installation brochure prior to commencing work.)

BOND TEST: If there is any doubt concerning the suitability of the prepared surface, a bond test is highly recommended. To test the bondability of a prepared surface, install Guardian General Purpose Primer on a small area. Allow to cure for a minimum of three hours and then scrape a dull knife blade or putty knife across the surface of the primer. If the primer film is damaged only with individual scratches, surface preparation is adequate. If scraping the knife across the film causes it to peel or delaminate in any way, then additional cleaning of the surface is required before application of the primer.

APPLICATION: Apply with sponge mops, standard soft bristle roofing brushes, rollers or airless spray equipment at the minimum coverage rate recommended below. Sponge mop or brush application is preferred because the scrubbing action of these types of tools helps insure penetration of stubborn dirt and sediment which can remain even after conventional cleaning has been performed. Rollers and airless spray equipment can also be used for initial material distribution but are best followed with brushing to insure the proper penetration and film thickness and elimination of puddles or excess

build-ups. Stir thoroughly prior to application and periodically during prolonged applications. When used for seam or defect repair, scrub into the surface with an abrasive sponge pad saturated with primer. Surface should be wet with primer while scrubbing. Do not just paint on surface. Be sure to apply primer beyond repair area to prevent bonding to non-primed areas. Minimum for standard 9-inch (22.5-cm) wide seam repair is 10-inch (25-cm) wide strip of primer.

APPLICATION PRECAUTIONS: SWEPCO Guardian General Purpose Primer will freeze. Temperature should be at or above 40°F (4°C) and rising. Do not apply to wet or damp roof surfaces. Do not apply in rainy weather or if rain is expected before coating of the primer can take place. If rain does occur before curing of the primer or application of the coating, the primer **MUST** be reapplied after the surface dries. Do not apply if dew points are within 5°F (3°C) of the ambient temperature as this could cause condensation of atmospheric moisture on the curing surface. Avoid thick build-ups or puddles. Because it retains some degree of tack when dry, wind blown contaminants will stick to the fresh primer. For this reason, the primer should be coated as soon as possible after it is sufficiently cured. Excessive delays in very dirty environments between priming and coating may make repriming necessary.

MINIMUM COVERAGE RATE: 0.50-1.50 gal. per 100 sq. ft. (0.21-0.62 liter/m²) depending upon surface type and texture. For standard seam repairs on smooth surfaces 0.4 gal. per 100 lineal feet (5.3 liter/100 lineal m). For standard seam repairs on granule or rough surfaces 1.3 gal. per 100 lineal feet (15.5 liter/100 lineal m).

NOTE: This coverage rate is a minimum coverage rate. Do not under apply the product as this can adversely affect product performance and will negate any guarantee to which the products may be subject.

CURING: Guardian General Purpose Primer must be dry before application of other coatings. It will retain some degree of tack even when dried. When the primer color has changed from milky white to clear and the surface will support foot traffic without damage, it has sufficiently dried for coating application to begin. In warm, dry weather sufficient curing normally occurs within 1-2 hours or less. Damp, cool or foggy weather increases curing time.

APPLICATION INFORMATION

(Continued)

CLEAN-UP: Guardian General Purpose Primer can be removed from tools and other areas with soap and water prior to drying.

STORAGE: Guardian General Purpose Primer has a minimum shelf life of one year provided containers are kept tightly sealed and protected from both high temperatures and freezing. IT MUST BE PROTECTED FROM FREEZING IN TRANSIT AND STORAGE.

ADDITIONAL INFORMATION: For additional information or recommendations, write; Southwestern Petroleum Corporation, P.O. Box 961005, Fort Worth, Texas 76161-0005; Southwestern Petroleum Canada Ltd., 87 West Drive, Brampton, Ontario, Canada L6T 2J6; or N. V. Southwestern Petroleum Europe, S.A., Industrieweg 6, B-2390 Oostmalle, Belgium.

SAFETY PRECAUTIONS: Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wear protective goggles, gloves and clothing. Avoid prolonged breathing of vapors. Use with adequate ventilation or approved respirators in confined areas. Do not take internally. Close container tightly after each use. Do not transfer to unlabeled or breakable containers. Use only for purposes intended. Keep out of reach of children.

EFFECTS OF OVEREXPOSURE: Contact with eyes or prolonged or repeated contact with skin can cause irritation and inflammation. Prolonged breathing of vapors can cause respiratory difficulty, dizziness, headache, nausea, irritation of nose or throat. Ingestion can cause symptoms similar to inhalation; aspiration into lungs can cause serious injury or death.

FIRST AID PROCEDURES: Eye Contact - Flush with water for 15 minutes. If pain or redness persists, seek medical attention immediately. Skin Contact - Wash with soap and water after wiping off excess material. If irritation persists seek medical attention. Inhalation - Remove to fresh air. If breathing difficulty persists, give oxygen or resuscitate and SEEK MEDICAL ATTENTION IMMEDIATELY. Ingestion - Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration. SEEK MEDICAL ATTENTION IMMEDIATELY.

PHYSICAL EMERGENCY PROCEDURES: If ignited, extinguish with CO₂ or dry chemicals. Water or foam may cause frothing. Water may be used to keep containers cool or flush spills away from area of involvement.

Consult Material Safety Data Sheet (MSDS) for this product or call Southwestern Petroleum Corporation (817) 332-2336 for further health and safety information.

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