

# PRODUCT DATA BULLETIN ||

## HEAVY DUTY PATCHING COMPOUND

### DESCRIPTION AND PURPOSE:

Heavy Duty Patching Compound is a thick, black, waterproofing compound manufactured from "Heart of Texas" Asphalt®, High Strength Micro Fibers, Dia-Seal™, finely milled blue-black slate and two highly effective chemical additives, ZHD-7™ and Zonamine™. It is used with other SWEPCO Roofing Products in a number of various applications to provide complete roof protection. Consult the appropriate application literature for more information. It is also used as a highly versatile adhesive, sealer and filler in general roof maintenance.

### OUTSTANDING FEATURES:

#### FORMULATED FOR THE TOUGH WATERPROOFING JOBS

Cracks, blisters, open seams and fish mouths can be annoying roof trouble spots. So can edge, wall and protrusion flashings in new built-up roof construction. Each of these is an area where natural stress is created in the roof membrane for one reason or another. The stresses concentrated in these areas can quickly destroy inferior patching materials, causing new damage or a reoccurrence of leaking. If not properly and quickly repaired such damage can expose the roof deck, insulation and building interior to expensive water damage.

Used before leaking occurs, Heavy Duty Patching Compound strengthens critical roof areas and helps prevent leaks from occur-

ring. Used after leaks occur, Heavy Duty Patching Compound instantly and effectively seals and waterproofs the damaged area.

### SUPERIOR INGREDIENTS INSURE SUPERIOR PERFORMANCE

Heavy Duty Patching Compound has superior resistance to cracking, splitting and tearing because it stays flexible and pliable longer. Its outstanding performance is the direct result of quality ingredients and meticulous processing. SWEPCO's own "Heart of Texas" Asphalt® is the most important ingredient, a premium quality waterproofing asphalt especially selected and refined for superior flexibility, bondability and weatherability.

It is fortified with two highly effective SWEPCO chemical additives. ZHD-7™, a special oxidation inhibitor which slows down the natural aging process, and Zonamine™ which helps insure the formation of a tight, strong, durable and uniform bond even under adverse conditions.

Thermal stability comes from not one, but three, superior stabilizers, High Strength Micro Fibers, Dia-Seal™ and finely milled blue-black slate.

### IDEAL FOR A WIDE VARIETY OF ROOF APPLICATIONS IN BOTH NEW CONSTRUCTION AND MAINTENANCE

Heavy Duty Patching Compound is the ideal material for many types of new roof construction and roof maintenance. It works equally well on asphalt, masonry, metal and wood surfaces. When used with Heavy Duty Patching Fabric for additional reinforcement it is excellent for



sealing cracks, blisters, open seams, fish mouths and either new or deteriorated flashings at vents, skylights, mlC-66.hua,M89Non

**EASY TO APPLY**

Heavy Duty Patching Compound's smooth troweling consistency makes it easy to use. No thinning, heating or mixing is required. It can be applied by hand, with a large putty knife or trowel, leaving a smooth, water-proof surface.

**GENERAL DATA:**

**TYPICAL PHYSICAL PROPERTIES**

Consistency, Cone Penetration, @ 77°F (25°C), ASTM D-217 .....	280
Specific Gravity, @ 60°F (15.5°C), ASTM D-70 .....	1.11
Unit Weight, lb/gal, ASTM D-70 .....	9.24
Unit Weight, kg/liter, ASTM D-70 .....	1.11
Drying Time, to Touch, hours .....	1-2
Drying Time Through, hours .....	24
Flash Point, °F, min, T.O.C., ASTM D-3143 .....	105
Wet Film Thickness, 9.3 lb/100 ft <sup>2</sup> , mil .....	16
Wet Film Thickness, 1.12 kg/m <sup>2</sup> , mm .....	1
Dry Film Thickness, 9.3/100 ft <sup>2</sup> , mil .....	10.1
Dry Film Thickness, 1.12 kg/m <sup>2</sup> , mm .....	0.62
Color .....	Black
Odor .....	Petroleum Naptha

**TYPICAL PERFORMANCE PROPERTIES**

Workability, ASTM D-2822, 6.2 .....	Trowels smooth
Behavior, @ 140°F (60°C), ASTM D-2822, 8.5 .....	No blistering, sagging or slide >.25" (6mm)
Pliability, @ 32°F (0°C), ASTM D-2822, 8.6 .....	No cracking or separation
Adhesion to Dry Surfaces, ASTM D-3409 .....	Excellent
Adhesion to Wet Surfaces, ASTM D-3409 .....	Excellent
Accelerated Weathering, hours, ASTM G-53 .....	3,000*
Film Appearance .....	Good
Peeling and Chipping .....	None
Erosion .....	Slight
Water Penetration .....	NIL
Chalking .....	None
Storage Stability .....	Indefinite

**TYPICAL CHEMICAL PROPERTIES**

Non Volatiles, % wt, ASTM D-2822, 8.2 .....	70
Volatile, % wt, ASTM D-2822, 8.2 .....	30
Asphalt Portion Soluble in CS <sub>2</sub> , %wt, ASTM D-4 .....	99.9
Water Content, ASTM D-95 .....	NIL
Resistance to Mild Acids and Alkali .....	Good
Resistance To Water .....	Excellent
Resistance to Petroleum Solvents .....	Poor
Vehicle, % wt (Asphalt & Solvents), ASTM D-2822, 8.2 .....	66
Mineral Stabilizers and Additives, % wt, ASTM D-2822, 8.3 .....	34

\*NOTE: This is roughly equivalent to six years exposure to ultra-violet radiation, heat and moisture generally encountered in field service.

**APPLICABLE SPECIFICATIONS** (meets or exceeds performance requirements)

- ASTM Designation D-2822
- U.S. Federal Specification SS-C-153C
- Canadian Government Specification Board Standard 37.5-M89



## APPLICATION INFORMATION

(Continued)

Duty Patching Compound varies with temperature and humidity. However, it is normally completely cured within 60 to 90 days.

**CLEAN-UP:** Heavy Duty Patching Compound can be removed from tools and other areas with kerosene or mineral spirits.

**STORAGE:** Heavy Duty Patching Compound in bulk containers has an indefinite shelf life provided containers are kept tightly sealed and protected from high temperatures. In tubes, the shelf life is approximately one year.

**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., P.O. Box 3, 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. Store and use away from heat, open flame or spark sources. 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, drowsiness, fatigue, pneumonitis, pulmonary edema or central nervous system depression. 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 CO<sub>2</sub> 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 at (817) 332-2336 for further health and safety information.

