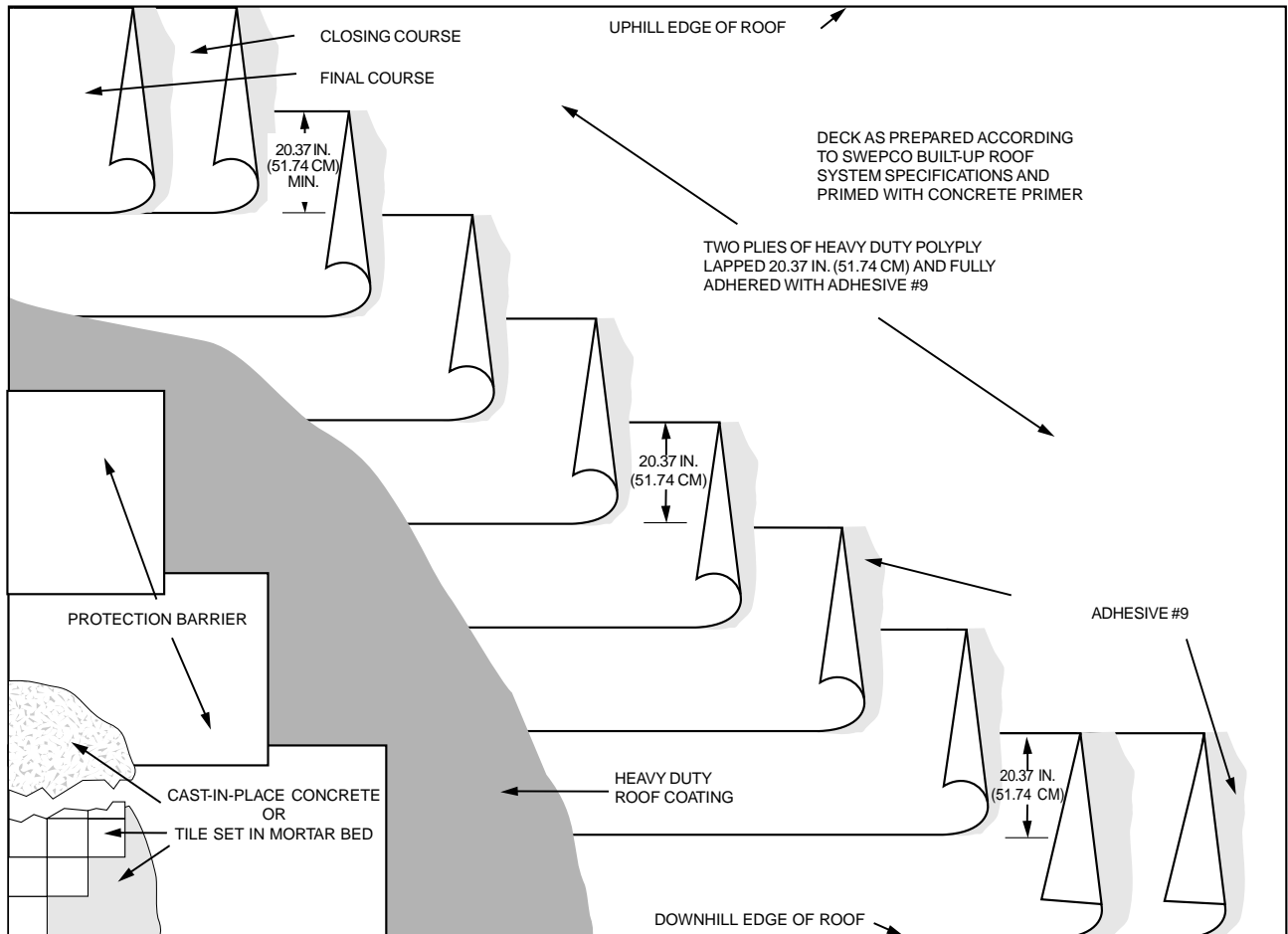


# SWEPCO BUILT-UP ROOF SYSTEM SPECIFICATION 501 (Trafficable)

TYPE OF DECK: Cast-in-place Concrete

PRODUCTS	MATERIAL REQUIRED <sup>4</sup> PER 100 SQ. FT. (PER M <sup>2</sup> )	APPROX. DRY WT. PER 100 SQ. FT. (PER M <sup>2</sup> )
Heavy Duty Roof Coating	2.50 gal. (1.02 liter)	13.63 lb. (0.67 kg)
Heavy Duty PolyPly	216.00 sq. ft. (2.16 m <sup>2</sup> )	71.28 lb. (3.46 kg)
Protection Barrier	108.00 sq. ft. (1.08 m <sup>2</sup> )	(Varies—See Manufacturer)
Adhesive #9	3.24-4.32 gal. (1.32-1.76 liter)	17.56-23.41 lb. (0.86-1.14 kg)
Concrete Primer <sup>1</sup>	0.50-1.00 gal. (0.20-0.41 liter)	1.68-3.36 lb. (0.08-0.17 kg)
Heavy Duty Patching Compound <sup>2</sup>	1.00 lb. sq. ft. (4.88 kg/m <sup>2</sup> ) of flashings	
Heavy Duty Patching Fabric <sup>3</sup>	1.00 sq. ft./sq. ft. (1.00 m <sup>2</sup> /m <sup>2</sup> ) of flashings	

- Concrete Primer is required over concrete to insure proper bonding. See 'SWEPCO BUILT-UP ROOF SYSTEM GENERAL SPECIFICATIONS' for complete instructions.
- Heavy Duty Patching Compound is applied at the rate of 0.50 lb./lineal ft. (0.74 kg/m) when using 6 in. (15.24 cm) wide Heavy Duty Patching Fabric, 1.00 lb. lineal ft. (1.49 kg/m) when using 12 in. (30.48 cm) wide Heavy Duty Patching Fabric and 3.00 lb./lineal ft. (4.46 kg/m) when using 36 in. (91.44 cm) wide Heavy Duty Patching Fabric. When used without Heavy Duty Patching Fabric, application is normally at the rate of 1.00 lb./sq. ft. (4.88 kg/m<sup>2</sup>).
- Heavy Duty Patching Fabric is available in 150 ft. (45.72 m) rolls of 6 in. (15.24 cm), 12 in. (30.48 cm) and 36 in. (91.44 cm) width. Order one roll in appropriate width for each 150 lineal feet (45.72 m) to be patched.
- Figures used in the "Material Required" column should be used only when calculating total material requirements for this system. They should not be confused with coverage (application) rates used elsewhere in these instructions and on container labels.



# INSTALLATION INSTRUCTIONS

IMPORTANT: Carefully read and observe all safety precautions and instructions on SWEPCO Product container labels.

## 1. WORKMANSHIP

All work shall be performed in an efficient and workmanlike manner. Under no circumstances shall there be any evidence of wrinkles, fish mouths, or other indications of poor laminations or defects in the installed Heavy Duty PolyPly. No torn or damaged Heavy Duty PolyPly shall be installed.

## 2. PREPARATION

The roof deck shall be prepared according to specifications presented in "SWEPCO BUILT-UP ROOF SYSTEM GENERAL SPECIFICATIONS". As a precautionary measure to insure good lamination of the plies of Heavy Duty PolyPly, it is allowable and in cooler climates recommended that Heavy Duty PolyPly be unrolled and allowed to uncurl for the times listed below or until completely flat:

TEMPERATURE	TIME
100° F (38° C)	5 Minutes
80° F (27° C)	10 Minutes
60° F (16° C)	30 Minutes

## 3. INSTALLATION OF THE ROOF MEMBRANE

Starting at the low (downhill) edge of the roof, install two plies of Heavy Duty PolyPly. (See diagram). Bond all courses with Adhesive #9 at the rate of 1.50-2.00 gal. per 100 sq. ft. (0.61-0.82 liters/m<sup>2</sup>). Lap edges 20.37 in. (51.74 cm) and ends 6 in. (15.24 cm), insuring complete bonding of all laps. Continue installing courses of Heavy Duty PolyPly in shingle fashion until the entire roof surface is covered. The amount of lap of the final course of Heavy Duty PolyPly will vary depending upon the actual size of the roof, but, in no event shall it be less than 20.37 in. (51.74 cm). It is important that each ply be "rolled in" prior to installing the next ply. Should wrinkles or fishmouths develop, simply lift the Heavy Duty PolyPly, stretch and set the Heavy Duty PolyPly back into the Adhesive #9 and roll it in. A small "bleed out" of Adhesive #9 at the side laps and ends will assure a good seal at the seams.

## 4. SEALING THE ROOF MEMBRANE

All edges, parapet walls, joints and protrusions through the roof deck must be flashed and sealed as prescribed in "SWEPCO BUILT-UP ROOF SYSTEM GENERAL SPECIFICATIONS".

## 5. COATING THE ROOF MEMBRANE

Heavy Duty Roof Coating is applied uniformly over the entire roof at the rate of 2.50 gal. per 100 sq. ft. (1.02 liter/m<sup>2</sup>). It may be applied with spray equipment, squeegee or brush.

## 6. TRAFFICABLE SURFACING

- Do not install the trafficable surface over the completed built-up roof system until at least 30 days have elapsed.
- Before installing the trafficable surface, a protection barrier must be placed over the built-up roof system. The barrier material must be thick enough to prevent damage to the built-up roof system. It must be waterproof and rot resistant. Acceptable protection barriers include 6 mil (0.2 mm) polyethylene sheet or Heavy Duty PolyPly. Protection barrier is loose laid lapping edges 2 in. (5.08 cm) and ends 3 in. (7.62 cm).

SOUTHWESTERN  
PETROLEUM  
CORPORATION  
FORT WORTH,  
TEXAS U.S.A.



PHONE: (817)332-2336 • TELEX: 163222 • FAX: (817)877-4047 • CABLE: SWEPCO  
SOUTHWESTERN PETROLEUM CANADA LTD., TORONTO, ONTARIO • N.V. SOUTHWESTERN PETROLEUM S.A., ANTWERP, BELGIUM  
SWEPCO®, "Heart of Texas" Asphalt®, TRI-MASTIC®, Zonamine™, ZHD-7™, Flex•Shield®, Uni+Shield®, Dia-Seal™, PolyForm® and PolyPly are trademarks of Southwestern Petroleum Corporation