

# THREE PLY ELASTOMERIC BUILT-UP ROOF APPLICATION OVER RIGID INSULATION

SPECIFICATION #  
KLB 100.3P.I.SC

## MATERIALS

**BITUMEN:** KLB-100 SEBS modified bitumen  
ASTM-D-6152-97  
(approx. 120 lbs/sq.)

**PLIES:** POLY-FELT 265VP premium  
spunbond polyester (3plies)

**SUBSTRATE:** Mineral Fiber, Perlite 1" min.  
Isocyanurate w/ overlay board  
Wood Fiber (High Density)  
For other insulations call technical  
services.

**SURFACING:** Apply KLB 100 SEBS modified  
bitumen with a mop or squeegee  
at the rate of 25 pounds per  
square. KLB 100 should be allowed  
to weather 60 days prior to application  
of roof coating. Contact Barrett  
Company for prior approval of any  
aluminum or elastomeric roof coating.

**SLOPE:** 1/8" to 1" per lineal foot; for slopes  
of 1" to 3" use KLB100 ES steep grade.

**WEIGHT:** 120 lbs/100 square ft approximately,  
for the membrane and surfacing.

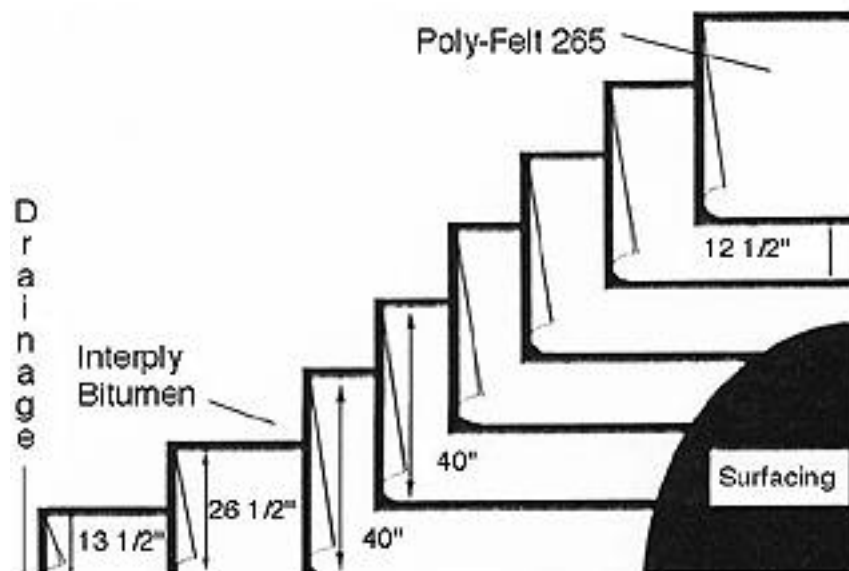
## APPLICATION

Start at the low points of the roof, solid mop  
2 starter plies to the substrate. After  
installing starter plies mop 3 plies of POLY-  
FELT, shingle fashion. Lap plies  
27 1/2 inches with 40 inch wide rolls. Broom  
all plies.

Bitumen shall be mopped in continuous film  
layers without holidays or voids and shall  
typically range between 25 and 30 lbs per  
square per layer. Kettle temperatures shall  
typically be 475-500 degrees F. Under no  
circumstances should they exceed 525  
degrees F.

Temperatures at a point of application shall  
range between 375 degrees F and 450  
degrees F.

All plies shall be surface glaze mopped after  
installation of roofing plies. Allow KLB 100  
to weather. Properly clean and prepare  
surface of KLB to offer an acceptable  
substrate for approved coating. Valleys and  
low spots should receive gravel or reflective  
aggregate as coatings will not resist standing  
water.



Barrett Company  
1.800.674.0100