

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

**SPECIFICATION #**  
**KLB 100.2P.I.CS**

## MATERIALS

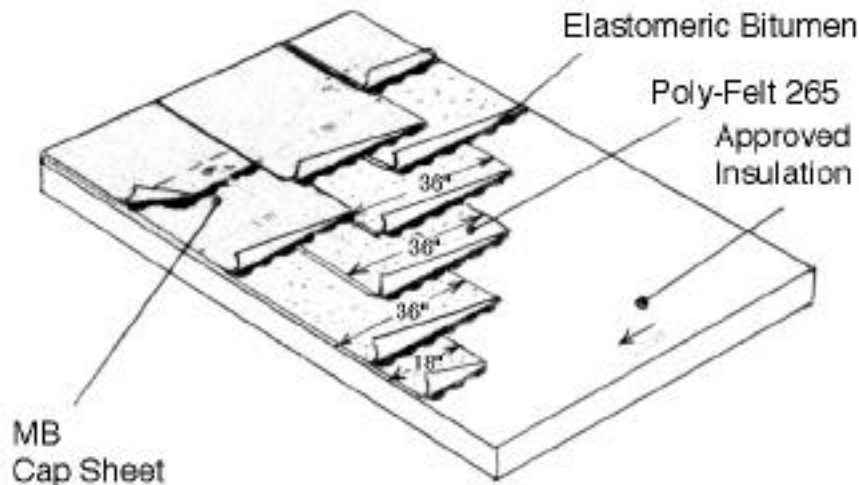
- BITUMEN:** KLB-100 SEBS modified bitumen  
ASTM-D-6152-97  
(approx. 90 lbs./sq.)
- PLIES:** POLY-FELT 265VP premium  
spunbond polyester (2 plies)
- SUBSTRATE:** Mineral Fiber, Perlite 1" min.  
Isocyanurate w/ overlay board  
Wood Fiber (High Density)  
For other insulations call technical  
services.
- SURFACING:** Mineral surfaced Cap Sheet shall be  
a polyester reinforced SBS Modified  
Bitumen membrane with granular  
surface. Cap Sheet shall be 4.0mm  
thick and meet ASTM-D 6164-97.
- SLOPE:** 1/8 inch to 1 inch per lineal foot; for  
slopes of 1" to 3" use KLB100 ES  
steep grade.
- WEIGHT:** 180 lbs/100 square ft approximately,  
for the membrane and surfacing.

## APPLICATION

Start at the low points of the roof, solid mop a starter ply to the substrate. After installing starter ply mop 2 plies of POLY-FELT, shingle fashion. Lap plies 18 1/2 inches with 39 inch wide rolls. Broom all plies.

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

Temperatures at a point of application shall range between 300 degrees F and 475 degrees F.



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