



COMMERCIAL/INDUSTRIAL INFORMATION BULLETIN

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IKOGLASS B.U.R. PLY SHEETS

IKO manufactures two premium glass ply sheets for built-up roofing membrane assembly. IKOGLASS Type IV is our standard level of glass ply sheet that conforms to the ASTM D2178 Type IV specifications. For those roof specifications which require a higher strength membrane, we also offer Type 6 which is similar to Type IV but has increased tensile strength and conforms to the ASTM D2178 Type VI specification. Both products comply with the Canadian specifications for glass ply sheets, including the CGSB 37-GP-64 standard as well as the CSA A123.17 standard. Both products are manufactured with a strong non-woven glass fibre mat, impregnated with IKO's waterproof bitumen. The top surfaces are treated to prevent sticking in the roll, while still allowing optimum adhesion of the built-up roofing asphalt in membrane construction.

The IKOGLASS mats are inorganic and therefore have an advantage over conventional organic felts in that they will not absorb moisture. They are also completely porous and do not rely on perforations like conventional No. 15 felt. The uniform porosity in the IKOGLASS ply sheets allows for any and all moisture or trapped gases to escape during membrane construction. This significantly reduces the probability of membrane blistering during service life.

As with any B.U.R. job, rolls should be handled with care and stored in a dry place prior to application. The rolls should be applied as straight as possible to avoid curving or developing fishmouths along the edges. Conventional B.U.R. Type 2 or 3 roofing asphalts may be used, and should be applied at a rate of 25 lbs./100 sq. ft. + or - 20 %, whereas organic is 20lbs/100sq ft + or - 20%, at the asphalt manufacturer's recommended equiviscous temperature for optimum application. It is critical that the interply layer of asphalt be as uniform and continuous as possible to ensure complete ply adhesion. Since the glass mats are more porous than conventional No. 15 organic felts, roofers should avoid walking on freshly applied layers until the asphalt has cooled and hardened. To finish off the roof, IKO approves either the application of a Modiflex SBS cap sheet, or a flood coat of asphalt and ballast. Both will provide UV resistance, as well as resistance from external fire hazards.

IKO also recommends that for flashing, the Modiflex or Torchflex SBS modified bitumen membranes should be used. These materials offer enhanced flexibility, elongation and puncture resistance to provide long service life and superior roofing performance at the critical flashing and wall intersection areas.

For additional information on any of IKO's products or application requirements, visit us on the web at www.iko.com (North America), or contact us in Canada/United States at 1-800-361-5836 (press "1" for English and then "2" for our Technical Support Department).

