



Tender Specification

2 Hours Fire Rated Integrity & Insulated Wooden Finished Doors & Frame

Providing, Supply & Fixing of PROMAT make 2 Hours fire rated doors system duly tested for integrity & Insulation as per the IS:3614 part 2 and BS:476 part 20 at FRL CBRI Roorkee with standard heating conditions as specified in IS:3809 - 1979 and BS:476 part 20 & 22 1987 to achieve the required integrity & insulation (I.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140 degree Celsius above the ambient temperature on the unexposed surface of the shutter), hardwood frame of section 150mm X 75mm with 1 nos. of Promaseal Intumescent strip to take care of Hot smoke size of 20mm X 2mm canceled in the groove of the frame with fixing arrangements of 3 nos. of G.I. hold fast 225mmX20mmX4mm with split end on ether side and wall grouted with cement concrete mix 1:3:6 adjustable lugs with split end tail to each jamb, including 4 nos. of stainless steel ball bearing hinges of SS 304 quality of size 102mmX102mmX3mm thick to capable of taking load up to 120 Kg of the shutter with SS pin, lock strike plate, shock absorbers as specified and 56mm thick single leaf shutter made out of perimeter railing of RedMarenti hard wood of size 100mmX30mm and 2 nos. of 9mm thick Promina – 60 board with 30mm thick Non–combustible Fire Retardant compound and faced with 4mm thick Water Proof marine Ply with Promaseal Fire Intumescent Seal of size 20mm x 2mm mounted in the grooves in the shutter on all sides except bottom with 10mm thick teak wood beading on all side and Promaseal Intumescent sealant is used to seal the gaps between Promina-60 Board and shutter beading. The fire Doors with frame will be as per IS:3614 part 4 and BS:476 part 20 at FRL CBRI Roorkee with standard heating conditions as specified in IS:3809 - 1979 and BS:476 part 20 & 22 1987 all complete to the entire specification with the certified copy of the valid Test Certificates to be issued by M/s.Promat International Asia Pacific Ltd.