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SAFE SPAN TABLE FOR SOUTH AFRICAN PINE

BASED ON SANS 1008:2007 EDITION 4

FLOOR JOISTS FOR SABS S5 GRADED PINE

DOMESTIC APPLICATIONS				COMMERCIAL APPLICATIONS			
TIMBER	SPACING			TIMBER	SPACING		
DIMENSION	400mm	450mm	600mm	DIMENSION	400mm	450mm	600mm
38X114mm	1,4m	1,4m	1,4m	38X114mm	0,4m	0,4m	0,4m
38X152mm	2,45m	2,45m	2,45m	38X152mm	0,75m	0,75m	0,75m
38X228mm	4,85m	4,70m	4,15m	38X228mm	1,67m	1,67m	1,67m
50X152mm	3,25m	3,25m	3,1m	50X152mm	1,0m	1,0m	1,0m
50X228mm	5,35m	5,2m	4,65m	50X228mm	2,2m	2,2m	2,2m
76X228mm	6,15m	5,9m	5,35m	76X228mm	3,35m	3,35m	3,35m
LIVE LOAD	1,5 kN/m ²			LIVE LOAD	2,5 kN/m ²		
DEAD LOAD	0,125 kN/m ²			DEAD LOAD	0,125 kN/m ²		
POINT LOAD	1,5 kN			POINT LOAD	5 kN		
DEFLECTION	1/300th Of Span			DEFLECTION	1/300th Of Span		

GENERAL GUIDE LINE FOR DECKING

SPACING FOR JOISTS IS 20 TO 22 TIMES THE THICKNESS OF THE DECKING

450mm IS THE NORMAL STANDARD SPACING FOR 21/22mm DECKING OR FLOORING

600mm IS THE NORMAL STANDARD SPACING FOR 32mm DECKING OR FLOORING

DECK BOARDS SHOULD HAVE 4 TO 6mm SPACES FOR DRAINAGE AND VENTILATION

USE 2 SCREWS PER JOIST. 22mm THICKNESS REQUIRES 50-60mm LENGTH SCREWS

32mm THICKNESS REQUIRES 70mm LENGTH SCREWS. YOU REQUIRE APPROX 40 SCREWS PER SQ.M

BEARERS SHOULD CALCULATED BY ENGINEERS AS EACH OVERALL AREA AND LOAD DIFFERS

STANDARD BEARERS ARE NORMALLY 76X228mm SUPPORTED EVERY 2.4m

CCA TREATMENT DOES NOT PROTECT AGAINST UV, DRYING OUT OR CRACKING OF TIMBER

A SUITABLE OIL BASED PRESERVATIVE AND SEALER IS REQUIRED FOR ALL DECKING

WHILST VARNISHES MAY BE USED THEY ARE DIFFICULT TO MAINTAIN. WE RECOMMEND A GOOD

OIL BASED SEALER USED REGULARLY (EXPOSURE DEPENDENT) TO FEED BACK OILS INTO THE EXPOSED TIMBER

ROOF RAFTERS FOR SABS S5 GRADED PINE

CORRUGATED STEEL AND FIBRE CEMENT					CEMENT TILES AND THATCH		
TIMBER	SPACING				TIMBER	SPACING	
DIMENSION	600mm	760mm	1050mm	1400mm	DIMENSION	600mm	760mm
38X114mm	2,6m	2,5m	2,2m	2,0m	38X114mm	1,8m	1,6m
38X152mm	3,5m	3,3m	3,0m	2,7m	38X152mm	2,4m	2,2m
38X228mm	5,3m	5,0m	4,5m	4,0m	38X228mm	3,6m	3,3m
50X152mm	3,9m	3,6m	3,3m	2,9m	50X152mm	2,6m	2,4m
50X228mm	5,8m	5,4m	4,9m	4,4m	50X228mm	3,9m	3,6m
76X228mm	6,5m	6,2m	5,6m	5,0m	76X228mm	4,5m	4,2m

STANDARD PURLINS 50X76mm 1050mm SPAN

THIS INFORMATION IS SUPPLIED FOR GUIDE AND INFORMATION PURPOSES ONLY

ALL CONSTRUCTION WORK SHOULD BE CARRIED OUT PER ENGINEERS DRAWING

ALL INFORMATION SHOULD BE CHECKED BY YOUR LOCAL CODES AND BUILDING AUTHORITY

WE ACCEPT NO LIABILITY FOR THE GUIDE LINES SUPPLIED

PLEASE BE AWARE MANY INTERNET DESIGNS AND PICTURES HAVE SPECIFICATIONS FOR TIMBER SIZES

AND TYPES THAT ARE NOT STANDARD SOUTH AFRICAN SECTIONS NOR TYPES. THEY HAVE DIFFERENT

DENSITY AND STRENGTH SPECIFICATIONS TO TIMBER LOCALLY AVAILABLE, SIZES AND DESIGNS MAY NEED

TO BE ADAPTED TO SUIT LOCAL SIZES AND CONDITIONS