

SanBirch

GENERAL

Birch plywood is a highly technical product with versatile production. Put panels are made in Italy with veneers imported from the north of Europe in cold weather areas. Birch is a type of wood well known for its hardness and durability, nevertheless it is often used also for visual and decorative purposes. SanBirch panels are manufactured in conformity with the strictest quality standards.

BASE PANEL

Plywood is made of 100% birch veneers, composed (unless specific demand) with a cross-grain veneer layout. Also interior veneers are sorted with specific criteria to make a uniform and nice looking edge. The surface veneers might contain wood plugs or minimal putty reparations on the surface depending of the different grades.

FACE VENEER QUALITY

Face quality can be customized on demand.

Normally we offer B / S / BB / CP / C grades and we can combine upper and lower side with different grades.

SIZES

San Giorgio is able to offer almost every size the customer wish

1220x2440; 1250x2500 , 1530x3050 mm, 1830x3050 mm, 2000x4000mm etc.

Bigger sizes are possible such as 2070x5200 mm or even bigger upon request.

San Giorgio target is to minimize the material waste and to cut unnecessary costs to its customers. Thickness is from 4mm to 80 mm.

THICKNESSES TOLERANCE

The thickness tolerances of San Giorgio is more stringent than the European requirements (standard EN 315) . For specific customer needs San Giorgio tolerances can customized upon request.

NOMINAL THICKNESS	NUMBER OF VENEER PLIES	THICKNESS TOLERANCE (EN 315)		THICKNESS TOLERANCE (SAN GIORGIO)*		WEIGHT **
[mm]	[pcs]	min. [mm]	Max. [mm]	min. [mm]	max. [mm]	[kg/m ²]
6.5	5	6.1	6.9	6.2	6.6	4.68
9	7	8.8	9.5	8.7	9.2	6.48
12	9	11.5	12.5	11.7	12.2	8.64
15	11	14.3	15.3	14.7	15.2	10.80
18	13	17.1	18.1	17.7	18.2	12.96
21	15	20.0	20.9	20.6	21.2	15.12
24	17	22.9	23.7	23.5	24.2	17.28
27	19	25.2	26.8	26.5	27.2	19.44
30	21	28.1	29.9	29.5	30.2	21.60

*. THICKNESS MIGHT SLIGHTLY CHANGE DEPENDING ON TRANSPORT AND STORAGE CONDITION. THE REPORTED VALUES ARE MEASURED IN SAN GIORGIO

** WEIGHT IS NOT ALWAYS CONSTANT BECAUSE PLYWOOD IT IS A NATURAL PRODUCT, THE VARIATION CAN BE ESTIMANTE IN A RANGE OF: -5% / +5% ON THE REPORTED VALUES (AVERAGE IS 720 KG/M3)

**GOOD
TO
KNOW**



**ECO
FRIENDLY**



**EASY
GLUING**



**EASY
PAINTING**



**HIGH
DENSITY**



**MADE FOR
CNC
CUTTING**



**LOW VOC
EMISSION**



**COST
SAVING**

SIZE TOLERANCES

Measured in accordance with standard EN 324, the plywood size and squareness tolerances meet EN 315 requirements. For specific customer needs San Giorgio tolerances can be reduced upon request.

LENGTH / WIDTH	TOLERANCE
< 1000 mm	± 1 mm
1000 – 2000 mm	± 2 mm
> 2000 mm	± 3 mm
Squareness	± 0.1% or ± 1mm/m
Edge straightness	± 0.1% or ± 1mm/m

BONDING CLASSES

Veneers can be bonded with different kind of resins. According to EN 314-2:
Class 1 (for interior) ; Class 2 (humid environment) ; Class 3 (for exterior)

FORMALDEHYDE EMISSIONS

Determined according to EN 717-2 and 717-1 the formaldehyde emitted by San Giorgio panels falls far below the Class E1 and E05

The formaldehyde emission of San Giorgio's plywood with INT glue is in average 0,035 ppm and with EXT glue is in average 0,02 ppm therefore all San Giorgio Plywood meets the stricter parameters world wide as ULEF - TSCA title VI - CARB P2 Compliant