

## SanForm - Brown / Smart / Rhino

### BASE PANEL

The core plywood is a full-birch panel, composed (unless specific demand) with a cross-grain veneer layup. The grade of the outer veneers is suitable for film application. Also interior veneers are sorted with specific criteria to make the product suitable for coating application in order to obtain a uniform and nice outlook.

The surface veneers might contain wood plugs or putty reparations on the surface but not visible after surface application

### OVERLAY

“SanForm” is the family of San Giorgio product film-faced with smooth plates. Films are glued with a hot-pressing process, typical application is formwork systems but other uses are possible.

“**Brown**” phenolic film with closed structure, brown color, normally is offered with weight of film of 250 gr/m<sup>2</sup>– semiglossy surface. Standard product, ideal for medium reuses (40-50\*). Taber revolutions n°500.

“**Smart**” phenolic film with closed structure, grey color, normally is offered with weight of film of 250 gr/m<sup>2</sup>– semiglossy surface . Ideal product for medium reuses (40-50\*), improved performances compared to Brown film (lower water swelling , higher alkaline resistance, higher UV-resistance, reduced water penetration (COBB 40-60 gr/m<sup>2</sup>), elimination of discoloration risks on the concrete, easier pen marking). Taber revolutions n°550.

“**Rhino**” plastified film with semi-open structure, grey color, normally is offered with weight of film of 410 gr/m<sup>2</sup> – matt surface. Ideal product for limited uses (15-20\*) to obtain a great concrete quality for visual applications. Taber revolutions n°960.

SanForm is available in **every dimension until 2000x5200** mm even bigger panels are possible upon request

GOOD  
TO  
KNOW



ECO  
FRIENDLY



FEW  
RELEASE OIL



EASY  
CLEANING



HEAVY  
LOADING



EASY  
MACHINING



EASY  
NAILING



COST  
SAVING



WATER  
RESISTANT

### THICKNESSES TOLERANCE

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

NOMINAL THICKNESS	NUMBER OF VENEER PLYES	THICKNESS TOLERANCE (EN 315)		THICKNESS TOLERANCE (SAN GIORGIO)*		WEIGHT **
		min. [mm]	Max. [mm]	min. [mm]	max. [mm]	
[mm]	[pcs]					[kg/m <sup>2</sup> ]
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 ESTIMATE IN A RANGE OF: -5% / +5% ON THE REPORTED VALUES ( AVERAGE IS 720 KG/M3)

### 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 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 are bonded with a weather and boil-resistant phenolic resin adhesive (Exterior). The gluing meets the requirements of the following international standards:

EN 314-2/Class 3

### 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