

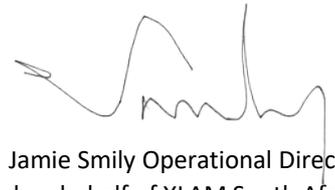


DECLARATION OF PERFORMANCE FOR THE CONSTRUCTION PRODUCT (DOP)
XLAM SOUTH AFRICA CLT

DOP-SANS8892-2021

1.	Unique identification code of the product type	XLAM South Africa Cross Laminated Timber in accordance with SANS8892
2.	Intended use	Multi-ply timber construction elements for wall, ceiling, roof and special construction elements for load-bearing purposes
3.	Manufacturer Manufacturer's plant	XLAM South Africa (PTY) LTD Corner White and Tokai Road, Retreat, South Africa, 7945
4.	Agent	NPD
5.	System for assessing and inspecting constancy of performance	SATAS Audited inspection
6.	SATAS South African Technical Assessment Services Certification of constancy of performance	SANS8892: 2020
7.	Declared performance and essential characteristics	
	Format	Panel format
	Number of layers	$3 \leq n \leq 7$ (max. 2 with fibres running in parallel)
	Thickness range	19 - 231 mm
	Width	1000 – 2750 mm
	Length	≤ 2 m / with universal finger joint according to SANS 8892 up to ≤ 8.25 m
	Types of wood	SA Pine/ Eucluyptus Salignia x Grandis
	General CLT Panel layup: Modulus of elasticity: Bending strength Compression strength Shear strength	Top / longitudinal layers (running in the direction of the fibres of the top layers) Solid timber : $\geq 90\%$ S5; $< 10\%$ BXX Transverse layers (layers running at right angles to the direction of the fibres in the top layer) Solid timber in accordance with SANS8892: $\geq 30\%$ S5; $< 70\%$ BXX Top / Longitudinal / Transverse layers Solid wood panels in SANS8892 to max. 50% of the cross-section Characteristic properties according to SANS Tables 1 and 2
	Characteristics S5 input	
	Modulus of elasticity:	7 800 MPA
	Bending strength	11.5 MPA
	Compression strength	18 MPA
	Shear strength	1.6MPA
	Bonding Adhesive strength	Adhesives shall meet the requirements of structural adhesives service class S2 according to SANS 10183-2 for interior wood subject to high temperatures. The heat performance testing requirement according to Section 6.1.3.4 of DOC PSI as stated in 6.3(a)
	Thermal conductivity □	0.12 W/(m ² *K)

Spec. thermal capacity C_p	1,600 J/(kg*K)
Permanent adhesion	structural adhesives service class S2 according to SANS 10183-2
Fire behaviour	FRR for 100mm SA PINE = 60min (char rate 0.87mm/min)
Emission of hazardous substances	Formaldehyde emission class E1
Protective treatment	Boron Surface treatment
Other characteristics	according to SANS8892
8.	The performance of the product identified above is in conformity with the declared performance. The manufacturer identified above is solely responsible for producing the Declaration of Performance in accordance with Regulation.



Jamie Smily Operational Director
Signed on behalf of XLAM South Africa