

SALIGNA LAMINATED BEAMS Technical Data



Description - Beams are manufactured from locally grown Eucalyptus saligna and Eucalyptus grandis.

Appearance - Architectural finish sanded, sealed and oiled with a transit stabilizer.

Moisture content - Not more than 12%

Adhesive used - The adhesive used complies with BS 1204/WBP and SANS 1349 (Exposure Class 1) ie: weather and boil proof.

Basic working stress	Mpa
Bending and tension parallel to grain	9.9
Modulus of elasticity	13 100
Horizontal sheer in beams	1.2
Bearing parallel to grain	12.4
Bearing perpendicular to grain	4.3

Standard sizes

Depth: Increases by increments of 22mm from 67mm to 1000mm or deeper by arrangement.

Width: 19, 25, 32, 45, 50, 65, 90, 114, 140mm or edge jointed to form wider beams.

Length: Minimum 1.2m to normally 16m in multiples of 0.3m and longer by special arrangement.

Special Properties - Higher fire rating than steel in heavy sections. Non-corrosive.

Charring rate - 0.6mm per minute (as per SANS 10163)

Density - $\pm 700\text{kg/m}^3$

Maintenance - Indoors and under cover, virtually maintenance free. Where directly exposed to weather, exterior wood care procedures should be applied.

