

The appearance grades for Glue-laminated beams.

AS/NZS 1328.1: 1998 – 2.7 Finishing

2.7.1 Appearance Grades – The appearance grades relates to the aesthetic appearance of the visible surfaces of the glued laminated members. This classification bears no relationship to structural performance of the member.

2.7.2 Appearance Grade A (Select) – This Grade is intended for use in applications where appearance of the member is important and clear or paint finishes are used. All surface voids are filled or repaired. Unless it is specified otherwise, the surface shall be sanded to a minimum 60 grit finish.

The following voids shall be repaired with inserts and not filled:

- Holes (circular in general appearance) with a diameter in excess of 30mm
- Holes (elongated in general appearance) with dimensions exceeding 40mm x 20mm
- Edge checks (elongated) from 40mm to 100mm, exceeding 3mm wide

Hyne Timber Beam 17, Beam 18 and Beam 21 glue-laminated products are available in Appearance Grade A (Select) finish.

2.7.3 Appearance Grade B – This grade is intended for use in painted applications where surface appearance is important but a machine planed finish is acceptable. The machining shall conform to No. 2 dressed surface grade as defined in AS 2796. Occasional skips in the surface are permissible and minor blemishes, voids and manufacturing want shall be acceptable. The outer-most laminates shall be free of loose knots and voids.

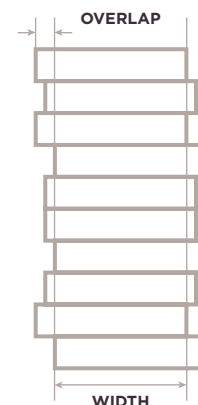
2.7.4 Appearance Grade C (Structural) – This grade is intended for use in applications where appearance is not important. All blemishes and voids are acceptable. Where the member is not machined after lay-up, the allowable tolerances for overlap of lamination shall be detailed in Figure 2.1 and Table 2.4.

Hyne Timber LGL, Beam 17, Beam 18 and Beam 21 glue-laminated products are available in Appearance Grade C (Structural) finish.

Table 2.4 – Tolerance and Overlap Limits for Appearance Grade C Glulam

HEIGHT OR WIDTH	TOLERANCE FOR HEIGHT OR WIDTH (mm)	MAXIMUM OVERLAP FOR MEMBERS (mm)
(H OR W) < 100	±2	4
100 ≤ (H OR W) < 300	±3	5
300 ≤ (H OR W)	±6	6

Figure 2.1 – Overlap of Laminations



AS/NZS 1328.1:98 Compliant

We craft for durability and our promise is just as strong as our product. Values of integrity, dependability and accountability underpin our business and that's why we've had our products certified by an independent third-party. The 'S' Mark scheme provides rigorous auditing of GLT glue-line bond processes and product documentation. (Licence No:2757)