

# Grandis

## Botanical Name: Eucalyptus Grandis

Also known as Flooded Gum, Scrub Gum or Rose Gum, originally native to Australia, Eucalyptus Grandis is a sustainable plantation grown FSC timber grown around the world. It ranges from blond/subtle pink tones to a warm, pink tones. The grain is usually straight with shallow interlocking, and machines exceptionally well.

### Typical Characteristics



Origin	Native to Australia, Plantation grown in Uruguay
Species Type	Hardwood
Sustainability	FSC® 100% Certified
Availability	Good
Durability	Class 2 (EN 350:2016)
Modulus of Elasticity	13GPa
Modulus of Rapture	87.4 MPa
Hardness	Janka 5.2 kN <sup>(4)</sup>
Density @ 12% MC	600 kg/m <sup>3</sup> <sup>(1)</sup>
Movement	14.3% Tangential <sup>(2)</sup>
Lyctid Susceptibility	Unknown
Termite Resistance	Moderate. Can be H3 treated (TruCore)
Fire	AS 56371: Group3. ASEA 4.6 m2/kg <sup>(3)</sup>
Lengths	Typically 2.4m, 3m and 3.2m
Typical Applications	Internal and sheltered external cladding and battens. Full exterior available with H3 treatment (TruCore)

REFERENCES: (1) Microsoft Word - WS-45 martin sanchez paper.doc (psu.edu), Rose Gum | The Wood Database (Hardwood) (wood-database.com); (2) Microsoft Word - WS-45 martin sanchez paper.doc (psu.edu); (3) AWTAS 56371:2015 Test Number: 23-003858; (4) Microsoft Word - WS-45 martin sanchez paper.doc (psu.edu). (Needs to be tested and confirmed as the density of samples received is lower than those from the database).

NOTE: To maintain currency, this document is periodically reviewed, and new editions are published. Between editions, amendments may be issued, so its important that readers assure themselves they are using a current document. We welcome suggestions for improvement, and encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email support@sculptform.com

Available on request.  
The FSC® label means that materials used for this product have been responsibly sourced.



# Timber Grading

At Sculptform, we adhere to the Australian standard **AS 2796.2-2006** when grading our timber. These grades primarily consider aesthetic attributes like knots and gum veins. To ensure a harmonious blend of the timber's natural appeal and uniformity across the project, we maintain a strict ratio in each order: a minimum of 2/3 select grade and 1/3 standard grade, which we refer to as **'Natural Select'**. Below, we outline the acceptable characteristics of each grade for clarity.

## Select Grade

Select Grade timber offers the cleanest appearance with minimal visual features, foregoing some of the timber's natural variation.

**Your Sculptform order will include at least two-thirds of Select Grade timber.**



**Gum Veins** of less than 250mm in length and 2mm in width are acceptable.



**Tight Knots** of less than 15mm in width are acceptable.



**Borer Holes** are acceptable provided there are less than 10 holes per 900mm depending on width.



**Checking** is acceptable provided individual length does not exceed 250mm and width does not exceed 1mm.



## Standard Grade

Standard Grade timber provides a more natural aesthetic with larger and more frequent features, enhancing the timber's character and emphasizing its natural look and feel. **Your Sculptform order will include a maximum of one-third Standard Grade timber.**



**Gum Veins** of less than 1m in length and 60mm in width are acceptable and less than 2mm in depth.



**Tight Knots** of less than 40mm in width are acceptable.



**Borer Holes** are acceptable provided there are less than 24 holes per 900mm depending on width.



**Checking** is acceptable provided individual length does not exceed 250mm and width does not exceed 2mm.

