

Doussie



Doussie Flat Sawn



Doussie Straight Grain

NAMES

Pilot name: Doussie
Scientific name: *Afzelia Africana Smith spp.*
Family: *Caesalpiniaceae*

ORIGIN / TRADE NAMES

Origin: West - Central Africa

Trade Names

Europe: Afzelia
Ghana: Papao
Nigeria: Apa (Red Apa)
Ivory Coast: Lingue, Azodau
Cameroon: Doussie, M'Banga

WOOD DESCRIPTION

Sapwood: Pale yellow to whitish and clearly demarcated from heartwood
Heartwood: Light brown turning reddish-brown on exposure, and sharply demarcated from the Sapwood.
Grain: straight to moderately interlocked, or irregular.
Texture: moderately coarse, to even or medium
Luster: of medium luster

TECHNOLOGICAL CHARACTERISTICS

Janka Scale hardness	1770
Green weight (kg/m ³):	1100-1200 (51 lbs/Cu Ft – dry)
Specific gravity at 12% (kg/m ³) (heavy):	750 (0.82)
Total tangential shrinkage (T%):	4.6
Total radial (R%):	3.1
Crushing strength at 12% (N/mm ²):	74 (Max 11,030 psi)
Static bending strength at 12% (N/mm ²):	173 (17,195 psi)
Modulus of elasticity at 12% (N/mm ²):	13,700

PROCESSING

Sawing: Difficult - Power required
Machining: no difficulty with special tools
Gluing: Difficult
Nailing: good holding of nails. Pre-boring of holes recommended
Finishing: good

USES

Normal and heavy duty Flooring