



TIMBER FLOOR COATING – QUICK REFERENCE GUIDE

Data and information supplied by ATFA

Technology / Property	Penetrating Oils	Hard Wax Oils 1K/2K	Oil Alkyd	Oil Modified Urethane	Solvent 2K PU	Solvent 1K MC PU	Waterborne 1K PU	Waterborne 2K PU
Durability	Low–Med	Med	Low	Med	High	High	Med	Med–High
Years to refurbishment (severe wear)	1–2	1–6	3	4	6	6	4–6	5–6
Maintenance requirement	Low–High	Low–High	Med	Med	Low	Low	Low	Low
Repairability	Good	Good	Difficult	Difficult	Very Difficult	Very Difficult	Difficult	Difficult
Earliest 'with care' use	5 days	2 days	3 days	3 days	1 day	2 days	1 day	1 day
Earliest re-occupancy	7 days	7 days	5 days	5 days	2 days	3 days	4 days	3 days
Cure in cold/dry	Low	Low	Medium	Medium	Good	Good	Fair	Medium
Cure in cold/damp	Low	Low	Low	Low–Med	Good	Medium	Low	Medium
Rejection resistance	Good	Good	Very Good	Good	Fair	Fair	Very Good	Very Good
Edge bonding resistance	Very Good	Very Good	Very Good	Very Good	Poor	Poor	Very Good	Good
Timber colour impact	Darkens	Yellow/Honey	Darkens	Darkens	Yellow/Honey	Yellow/Honey	Natural/Pale	Natural/Pale
Tram lining	Nil	Nil	Nil	Low	Low	Low	High	Medium
Application mark resistance	High	Med	High	Med	High	High	Poor–Med	Med
UV yellowing	Poor	Fair	Poor	Poor	Poor	Poor	Fair–Good	Good
Scuff resistance	Poor	Good	Poor	Poor	Very Good	Very Good	Poor–Good	Good–Very Good
Dust pimples	Low	Low	Low	Low	High	Medium	Low	Low
Quilting resistance	Very Good	Very Good	Very Good	Very Good	Medium	Poor	Very Good	Very Good
Grain raise	Low	Low	Low	Low	Low	Low	Medium	Medium
External use	No	No	No	No	No	No	No	No
Odour	Noticeable	Low	Medium	Medium	Very High	Very High	Low	Low–Med
VOC g/L	0–800	0–480	600–700	600–700	500–550	300–600	35–190	85–190
Breathing equipment	Cartridge	Cartridge	Cartridge	Cartridge	Cartridge+	Cartridge+	No	Cartridge
Carcinogen risk	No	Possible	Possible	Possible	Yes	Yes	No	Possible
Asthma risk	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Flammability	Low–High	Low–High	Low	Low	Very High	Very High	Nil	Nil