

# TECHNICAL DATA SHEET

## TECHNOTOP WORKTOPS



Standard number	Title	Date of issue
SR EN 438-3	High-pressure decorative laminates (HPL)- Sheets based on thermosetting resins (usually called laminates)- Part 3: Classification and specifications for laminates less than 2mm thick intended for bonding to supporting substrates.	July 2016
SR EN ISO 13894-2	High-pressure decorative laminates - Composite elements- Part 2: Specifications for composite elements with wood-based substrates for interior use	September 2015
SR EN 312	Particleboards. Specification	July 2011

Technical specification	Test methods	Units	Requirements
			SR EN 438-3:2016/ EN ISO 13894-2:2015
Thickness tolerance	EN ISO 13894	mm	± 0.4
Flatness	EN ISO 13894	mm/m	≤ 2
Length tolerance		mm	+10/-5
Width tolerance >500mm	EN ISO 13894	mm	±0.5 for 500mm, with a further 0.05mm for each additional 100mm
Appearance of surface defects		mm <sup>2</sup> /m <sup>2</sup>	points ≤1
		mm/m <sup>2</sup>	lines ≤10
Resistance to surface wear	EN 438-2	Revolutions (initial point)	≥150
Resistance to water vapour	EN 438-2	Rating	gloss finish ≥3
			other finishes ≥4
Resistance to dry heat (160°C)	EN 438-2	Rating	gloss finish ≥3
			other finishes ≥4
Resistance to wet heat (100°C)	EN 438-2	Rating	gloss finish ≥3
			other finishes ≥4
Resistance to impact by small diameter ball	EN 438-2	N	≥20
Resistance to scratching	EN 438-2	Rating	smooth finishes ≥2
			textured finishes ≥3
Resistance to staining	EN 438-2	Rating	min 5 for Groups 1&2
Formaldehyde release	EN ISO 12460-3	mg/m <sup>2</sup> h	Class E1 ≥3.5

Substrate type, Particleboard P2			SR EN 312: 2011
Bending strength >25 - 32mm	EN 310	N/mm <sup>2</sup>	≥9.5
		N/mm <sup>2</sup>	≥8.5
Internal bond strength >25 - 32mm	EN 319	N/mm <sup>2</sup>	≥0.25
		N/mm <sup>2</sup>	≥0.20
Surface soundness	EN 311	N/mm <sup>2</sup>	≥0.8