

PRODUCT	High Pressure Laminates, Less Than 2mm Thick	BRAND	DECOSERVE HPL	ORIGIN	Kingdom of Saudi Arabia
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SURFACE TECHNICAL CHARACTERISTICS

Property	Standard	HGS 333	VGS 222	Unit
Thickness tolerance (t = nominal)	EN 438-2-5	0.5≤t<1.0: ±0.10 1.0≤t<2.0: ±0.15	0.5≤t<1.0: ±0.10 1.0≤t<2.0: ±0.15	mm
Length & Width	EN 438-2-6	+10 / -0	+10 / -0	mm
Edge Straightness	EN 438-2-7	≤ 1.5 max dev.	≤ 1.5 max dev.	mm/m
Edge Squareness	EN 438-2-8	≤ 1.5 max dev.	≤ 1.5 max dev.	mm/m
Flatness	EN 438-2-9	≤ 60 max dev.	≤ 60 max dev.	mm/m
Resistance to Surface Wear	EN 438-2-10 NEMA LD3 §3.13	IP: 150 rev 400 cycles	IP: 50 rev 400 cycles	Rev / Cycles
Resistance to Immersion in Boiling Water	EN 438-2-12 NEMA LD3 §3.5	Gloss: 3 / Other: 4 No change observed	Gloss: 3 / Other: 4 No change observed	Rating (min)
Resistance to Water Vapour	EN 438-2-14	Gloss: 3 / Other: 4	Gloss: 3 / Other: 4	Rating (min)
Resistance to Dry Heat 160°C	EN 438-2-16	Gloss: 3 / Other: 4	Gloss: 3 / Other: 4	Rating (min)
High Temp Resistance 180°C	NEMA LD3 §3.6	No Effect	No Effect	Rating (min)
Dimensional Stability (Elevated Temp)	EN 438-2-17	Long: 0.55 Trans: 1.05	Long: 0.75 Trans: 1.25	% (max)
Room Temp Dimensional Stability (23°C ±2, 90% RH)	NEMA LD3 §3.12	0.6	0.6	% (max)
Dimensional Change (40°C ±2, 90% RH)	NEMA LD3 §3.11	0.7	0.7	% (max)
Resistance to Wet Heat 100°C	EN 438-2-18	Gloss: 3 / Other: 4	Gloss: 3 / Other: 4	Rating (min)
Impact – Small Ball	EN 438-2-20	Spring: 20 N	Spring: 15 N	N (min)
Impact – Large Ball	EN 438-2-21 NEMA LD3 §3.8	Drop: 800 / Indent: ≤10 No fracture ≥500mm	Drop: 600 / Indent: ≤10 No fracture ≥500mm	mm
Dart Impact Test (25g, 5mm tip)	NEMA LD3 §3.9	200	200	mm (min)
Radiant Heat Resistance	NEMA LD3 §3.10	80	80	Sec (min)
Resistance to Cracking	EN 438-2-23	4	4	Rating (min)
Resistance to Scratching	EN 438-2-25 NEMA LD3 §3.7	Smooth: 2 / Textured: 3 Rating 5	Smooth: 1 / Textured: 2 Rating 5	Rating (min)
Resistance to Staining	EN 438-2-26 NEMA LD3 §3.4	G1&2: 5 / G3: 4 No Effect	G1&2: 5 / G3: 4 No Effect	Rating (min)
Cleanability	NEMA LD3 §3.4	No Effect	No Effect	Rating
Light Fastness (Xenon Arc)	EN 438-2-27	Contrast: 4–5	Contrast: 4–5	Grey Scale
Light Resistance	NEMA LD3 §3.3	No change / slight effect	No change / slight effect	Rating (min)
Density	EN 323	1.35	1.35	g/cm³ (min)

OTHER PROPERTIES

Property	Standard	Value	Unit
Release of Formaldehyde	EN 717	E1	Class
Antibacterial Activity	ISO 22196	>99.98% reduction after 24h	% of kill

Property	Standard	Value	Unit
Food Contact Migration	EC 1935 / BSEN 1186	< 10 (food-safe)	mg/dm ²

STORAGE & HANDLING

Store in dry, covered conditions at 18–36°C and 50–65% RH. Keep away from UV radiation and heat sources (min 1.5m). Avoid direct floor or wall contact; rotate stock (FIFO). Store horizontally on pallets in original packaging, tightly strapped with a protective board. If vertical storage is required, lean at ≈80° with full-surface support. **Best used within 6 months of production date.**

CLEANING & MAINTENANCE

Clean with water and a soft cloth or paper tissue. For stubborn impurities, use a non-abrasive cleaning solution, then rinse with water and dry.