

Alira

Guest Seating Collection



Technical Data Sheet



Chair Specifications

Frame Structure

Frame Material		Solid Ash Wood - (USA)
Frame Structure		Knock-Down (KD)
Frame Reinforcement		Steel Reinforcement Under the Seat
Load Capacity		≥200 kg / Seat

Frame Finish

Finish Coating Type	Multi-Layer Catalyzed Polyurethane Finish
Finish Moisture Content	8–12%
Finish Scratch Resistance	YES
Finish Stain Resistant	YES
Finish Chemical Resistant	YES
Finish UV Resistance	YES
Finish Low VOC	YES
CARB Phase 2 / TSCA Title VI Compliant	YES

Foam Specifications

Foam Type	Molded Foam	Foam Tensile Strength	≥120 kPa
High Resilience (HR) Foam	YES	Foam Elongation	≥130%
Foam Density - Seat	50 kg/m³	Foam Rebound	≥50%
Foam Density - Back	40–45 kg/m³	Foam Tear Strength	≥2.5 N/cm

Upholstery Specifications

Manufacturer		Elastron® - (Portugal)	Permanent Creasing Behavior (Bally Test)	100,000 Cycles - PASS
Upholstery Type		Medical Grade Vinyl	DIN EN ISO 32100 / DIN 53359	
Surface Composition		91% PVC + 9% Polyurethane	Upholstery Durability Performance	>800,000 Cycles
Backing Composition		95% Polyester + 5% Cotton	Abrasion Test : EN ISO 5470-2	
Upholstery Weight		980 g/lm (+/- 5%)	Resistance to Urine (Urea Solution)	PASS
Upholstery Thickness		1.0 mm	Resistance to Hospital-Grade Disinfectant Cleaner	PASS
Upholstery Tensile Strength EN ISO 1421	Warp 532 N 18.5% Weft 420 N 27.7%		Upholstery Antibacterial Tested EN ISO 20645 : 2005-02	PASS
Tear Growth Resistance EN ISO 4674-1	Warp 60.9 N Weft 39.4 N		Upholstery Resistance to Hydrolysis	8 Years
Seam Slippage Resistance EN ISO 13936-2	Warp 3.3 mm Weft 3.3 mm		Upholstery High Scratch Resistance	YES
Colour Fastness to Rubbing EN ISO 105-X12	Dry 5 Wet 5		Fire Performance	PASS
			CA TB117 2013 / NFPA260 BS 5852 Part 1 / EN 1021-1/2	
			Colour Fastness to Artificial Light EN ISO 105-B02	Grade 5

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Feature Design & Healthcare Benefit



Wall-Saver Design

Rear legs extend beyond the backrest to prevent the chair from contacting and damaging the wall. Helps protect wall surfaces, optimize floor space, and maintain a clean, safe healthcare environment.



Clean-Thru Design

Open, accessible construction minimizes areas where dust, debris, and contaminants can accumulate, making the chair easier to clean and sanitize while supporting hygienic healthcare environments.



Steel Reinforcement Under the Seat

Provides additional structural strength and durability to withstand frequent use and higher loads, supporting reliable long-term performance in demanding healthcare environments.



Waterfall Edge Seat Cushion

Reduces pressure behind the knees and improves lower-leg comfort, supporting comfortable prolonged sitting for patients, visitors, and healthcare staff.



Non-Marring Adjustable Glides

Allow easy leveling on uneven floors while helping prevent floor marks and surface damage, supporting stability and maintaining a clean, professional clinical environment.

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Technical Drawing & Dimensions

Guest Chair

Model : 2140-1C



Guest Bariatric Chair

Model : 2140-OB



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Technical Drawing & Dimensions

Guest Loveseat

Model : 2140-LV



Patient Chair

Model : 2140-PNT



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Technical Drawing & Dimensions

Guest Two Seat

Model : 2140-2C



Guest Three Seat

Model : 2140-3C



Frame Structure

Solid Ash Wood

Solid ash Wood provides a strong, durable structural frame with good impact resistance, supporting long-term performance under frequent daily use in healthcare environments.

Frame Structure

Engineered structural design that supports stability, durability, and reliable performance during repeated patient and staff use.

Frame Reinforcement

Reinforced construction provides additional structural strength and helps withstand frequent use and higher operational loads.

Load Capacity

Defines the maximum supported load to ensure safe and reliable use in healthcare and patient-care environments.

Frame Finish

Multi-Layer Catalyzed Polyurethane Finish

Protective surface coating designed to provide durability and support easy cleaning in demanding healthcare environments.

Finish Moisture Content

Controlled moisture characteristics help maintain dimensional stability and long-term performance under routine cleaning conditions.

Finish Scratch Resistance

Helps protect exposed surfaces from scratches and wear caused by frequent daily use, maintaining a professional appearance.

Finish Stain Resistant

Resists common stains and helps maintain a clean, professional appearance in high-use clinical environments.

Finish Chemical Resistant

Provides resistance to commonly used cleaning and disinfecting agents, supporting routine healthcare sanitation practices.

Finish UV Resistance

Helps reduce fading and surface degradation caused by prolonged exposure to light, supporting long-term appearance retention.

Finish Low VOC

Low-emission finish helps support improved indoor air quality and healthier healthcare environments.

CARB Phase 2 / TSCA Title VI Compliant

Meets established U.S. formaldehyde emission requirements for composite wood products, supporting healthier indoor environments.

Foam Specifications

Foam Type

Molded foam provides consistent support, shape retention, and dimensional stability for healthcare seating.

High Resilience (HR) Foam

Provides responsive support and helps the cushion recover its shape after repeated use.

Foam Density

Provides durable cushioning and helps maintain seat shape under frequent daily use.

Foam Tensile Strength

Supports structural integrity and resistance to internal stress during repeated use.

Foam Elongation

Allows controlled flexing under repeated loading while supporting long-term durability.

Foam Rebound

Enables rapid recovery after compression, helping maintain consistent support and comfort.

Foam Tear Strength

Helps resist tearing and material damage during repeated use and upholstery handling.

Upholstery Specifications

Upholstery Type

Medical-grade vinyl designed for durability, cleanability, and routine use in healthcare environments.

Surface Composition

PVC-based surface with polyurethane content providing a durable, cleanable, and wear-resistant finish suitable for healthcare applications.

Backing Composition

Reinforced textile backing provides dimensional stability, flexibility, and structural support for long-term upholstery performance.

Upholstery Weight

Provides a substantial material construction that supports durability and long-term performance under frequent use.

Upholstery Thickness

Provides a durable protective surface while maintaining flexibility and suitability for upholstered healthcare furniture.

Upholstery Tensile Strength

High tensile strength helps the upholstery withstand stretching and repeated use while maintaining its structural integrity.

Tear Growth Resistance

Helps prevent existing tears from spreading, supporting long-term durability in high-use healthcare environments.

Seam Slippage Resistance

Helps maintain seam integrity under repeated loading and movement, supporting durable upholstery construction.

Permanent Creasing Behavior

High resistance to permanent creasing helps maintain the upholstery's appearance and surface integrity during repeated use.

Colour Fastness to Rubbing

Helps maintain consistent appearance during repeated contact, handling, and routine cleaning.

Upholstery Durability Performance

High abrasion resistance supports long-term performance under frequent seating, movement, and daily healthcare use.

Resistance to Urine

Resistance to urine-based contamination supports easier cleaning and helps maintain upholstery performance in patient-care environments.

Resistance to Hospital-Grade Disinfectant Cleaner

Designed to withstand routine exposure to hospital-grade disinfectants, supporting frequent cleaning and sanitation protocols.

Upholstery Antibacterial Tested

Tested antibacterial performance supports hygienic upholstery applications when combined with appropriate cleaning and disinfection practices.

Upholstery Resistance to Hydrolysis

Resistance to hydrolysis helps protect the upholstery from deterioration caused by moisture and humidity, supporting long-term service life.

Upholstery High Scratch Resistance

High surface resistance helps minimize visible damage from routine contact and use, maintaining a professional appearance.

Fire Performance

Meets specified fire-performance requirements, supporting safer use in healthcare and commercial interior environments.

Colour Fastness to Artificial Light

Good resistance to light exposure helps minimize fading and maintain consistent colour appearance over time.