

DuRa Finish™ **COMMERCIAL** – UrbanWood's Finish for Commercial Applications

DuRa Finish COMMERCIAL builds on the DuRa Finish ULTRA MATTE platform, with increased grammage (coating buildup) in the abrasion resistant layers of the coating stratum. DuRa Finish COMMERCIAL exhibits superior abrasion resistance, scratch resistance and impact resistance properties, and is therefore a suitable candidate for many commercial applications with moderately high foot traffic. DuRa Finish COMMERCIAL is an evolution of the original ULTRA MATTE residential finish, and it thus shares many of its aesthetic characteristics, such as a high degree of clarity and harmony with the wood's texture, resulting in a beautiful natural looking appearance not commonly found in other commercial grade wood flooring finishes.



DuRa Finish™ **COMMERCIAL** UrbanWood's Finish for Commercial Applications

- ✓ Available for any colour or texture as a made-to-order product; **allow 8-14 weeks**
- ✓ High degree of clarity creates **radiance** and **wood luster**
- ✓ Highly scratch and abrasion resistant
- ✓ Anti-yellowing technology resists colour change
- ✓ Water and stain resistant
- ✓ Gloss level of **6-8%**
- ✓ **GREENGUARD Gold** certified, ultra-low VOC emissions

60 Residential
10 General Commercial
Years Finish Warranty
+ Limited Lifetime Structural Warranty

Sustainability Certifications and Reports



Flooring with **DuRa Finish COMMERCIAL** has been tested for VOC emissions and has achieved **GREENGUARD Gold certification**. Underwriters Laboratories of Canada (ULC) is an independent product safety testing, certification and inspection organization. They have tested products for public safety for 100 years and we are accredited by the Standards Council of Canada. The GREENGUARD® Gold Certification standard includes health-based criteria for more chemicals than other indoor air quality certifications, and is "designed to define low-emitting materials suitable for environments where people, particularly children and sensitive adults, spend extended periods of time, in particular schools and healthcare facilities". To be certified, our products were screened for over 360 VOCs and over 10,000 chemical emissions, GREENGUARD® Gold Certified products must also comply with requirements of the state of California's Department of Public Health (CDPH) Section 01350.



URBANWOOD FLOORS urbanwoodfloor.com
TF 1-877-828-1888 EMAIL connect@urbanwoodfloor.com

DURA FINISH™ COMMERCIAL – UrbanWood’s Finish for Commercial Applications

DuRa Finish COMMERCIAL is a proprietary finishing system that achieves its superior abrasion, scratch and impact resistance properties by utilizing increased grammage of the most high-performance wood coatings available. DuRa Finish COMMERCIAL uses water-based coatings in conjunction with technically advanced UV cured polyurethanes which employ macro-molecule cross-linking technology with silicon dioxide and acylated PU resin.

Technical Test Results DuRa Finish COMMERCIAL

Test	Standard	Results
Abrasion Resistance	ASTM D 4060 (S 33) ¹	5000 cycles
Cross Hatch Adhesion	EN ISO 2409 ²	1
Coin Scratch Resistance	Works norm TC_01 ³	35N
Impact Resistance	EN 438-2.20 ⁴	4N
Pencil Hardness	ASTM D 3363 ⁵	3H
Gloss	60°	6-8°
Stain Resistance	EN 438-2.26 ⁶	5
Coefficient of Friction	EN 13893 ⁷	0.5
Slip Resistance	ANSI A326.3/A137.1	Wet: 0.47
Sustainable Slip Resistance	ASTM E303-22 ⁸	Wet: 37

- ¹ ASTM D 4060 (S 33) measures abrasion resistance of organic coatings by the Taber abraser. A test result of 5,000 cycles is 6-8 times more abrasion resistant than average residential wood floor finishes.
- ² The results of EN ISO 2409 are on a scale from 0-5, with 0 having the best performance and 5 having the worst performance.
- ³ Works norm TC-01 is an internal test developed by Treffert Coatings to measure resistance to broad pressure damage. A result of 35N is considered a pass.
- ⁴ EN 438-2.20 is a spring force test that measures the resistance to impact by a small-diameter ball.
- ⁵ ASTM D 3363 is used to determine the hardness of a coating by employing pencil hardness measurements. Results rank on a scale from 6B (the softest) to 6H (the hardest).
- ⁶ EN 438-2.26 measures stain resistance on a scale from 0-5, with 0 having the worst performance and 5 having the best performance.
- ⁷ EN 13893 measures the dynamic coefficient of friction on flooring surfaces.
- ⁸ ASTM E303-22 measures the slip resistance of flooring after 500 cycles of abrasion. A typical specification for Sustainable Slip Resistance of new flooring intended to be installed on a level surface is that the wet Pendulum Test Value after 500 cycles of abrasion should be 35 or higher.

Stain Resistance Test Results DuRa Finish COMMERCIAL Test Standard: ASTM D 3023 (4 hours)

Substance	Note
Coffee (hot)	No stain
Red Ink	No stain
Mustard	No stain
Black shoe polish	No stain
2% Iodine tincture	Yellow stain
5% Sodium carbonate	No stain
Alcohol	No stain
Olive oil	No stain



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Recommendations and Limitations for Using DuRa Finish COMMERCIAL Flooring

Extensive testing and analysis of DuRa Finish COMMERCIAL (see “Test Results for DuRa Finish COMMERCIAL”, on page 2) demonstrates that floors with this finish are suitable for commercial applications with light to moderate foot traffic. Suitable applications in sectors such as office, hospitality and retail benefit greatly from beautiful and creative wood flooring that is durable enough to fulfill the lifetime requirements of the project. However, there are some commercial applications where institutional settings with very high foot-traffic, such as educational, healthcare, etc., have very demanding floor surface requirements, and any type of wood flooring is therefore not suitable. Ultimately, it is up to the design teams and specifiers to exercise sound judgement and to specify DuRa Finish COMMERCIAL flooring only where appropriate.

Considerations for Using DuRa Finish COMMERCIAL Flooring

The main feature differentiating a commercial grade finish from that of a residential one, is its significantly improved abrasion resistance. Commercial spaces experience high levels of foot-traffic, and the repeated friction caused from shoes sliding across the floor's surface will gradually wear the surface down. Making floor finishes highly abrasion resistant means that the finish can withstand continuously high levels of scuffing and abrading before the finish is worn through. Being highly abrasion resistant, however, does not necessarily make a floor impervious to scratching and denting. Although a DuRa Finish COMMERCIAL floor will have a very hard surface that is highly resistant to small scratches and scuffs, the limiting factor for how well any wood floor can withstand deep gouges caused by sharp, heavy objects or dents caused by high-heeled shoes, will be determined by the hardness of the wood substrate itself. It is therefore recommended to avoid using softer wood species such as walnut and give preference to harder species such as oak or hickory in applications where it is deemed that the likelihood of damage caused by denting and deep scratching is high.

Accessories

All UrbanWood accessories are finished with the same process as the matching flooring, thus ensuring a comparable appearance in stain colour, gloss level, wearability, etc.

Gloss Level

The target gloss level of DuRa Finish COMMERCIAL is 6-8%. Although it is technically possible to achieve a gloss level below 6%, floors with gloss levels below 6% look dull and lack luster and depth. Gloss levels above 10% make a floor look shiny and unnatural. A gloss level of 6-8% gives wood beautiful depth and luster while still maintaining the look of natural wood.

Resistance to Colour Change

All stains, glazing and coatings used to colour and finish an UrbanWood floor are formulated to be resistant to UV discoloration such as yellowing, and to maintain colour consistency over time. However, it should be noted that continuous exposure to high levels of UV rays can lead to gradual colour change. For projects with large south-facing windows, it is strongly recommended to utilize UV protection to greatly reduce the possibility of eventual colour change of all interior materials including furniture, artwork and flooring. Aftermarket protective films, such as those made by 3M, are one recommended solution.

Care and Maintenance of a DuRa Finish COMMERCIAL Floor

In order to get the longest life out of any urethane finished wood floor, it is of utmost importance to follow several important recommendations, which are covered in the *Care & Maintenance of an UrbanWood Floor* guide, available for download at: UrbanWoodfloor.com/learn/resources. In addition, when flooring is used in a commercial application, several important considerations must also be made:

- Using walk-off mats: For the purpose of removing moisture, dirt and grit from the bottoms of shoes, walk-off mats must be used at all commercial entryways. Walk-off mats must be wide and long enough to ensure that more than 90% of any moisture and dirt is removed before walking on the wood floor.
- Avoiding direct access to the outside: Spaces in which DuRa Finish COMMERCIAL flooring is to be used should be designed to avoid direct access from the outside. Designs should consider utilizing extended entranceways, vestibules, antechambers, etc.
- Using proper protection for chairs and furniture: Commercial grade furniture leg floor protection must be used for all furniture, chairs and office equipment. Rolling casters for all office chairs or any other objects that will be made to roll across the floors must be made of a rubber designed for use on hardwood floors. All work stations and desk areas must utilize chair mats wherever chairs will be used frequently.
- Utilizing carpet runners where heavy wheel-traffic is expected: In areas such as hotel front lobbies where heavy wheel-traffic is expected, carpet runners and runway mats should be used.
- Avoid dragging heavy objects across the surface: Care must always be taken when sliding non-wheeled objects across the surface. Pressure points on the bottom of objects slid across the floor's surface can cause significant damage, not only to the finish, but also to the wood substrate itself.

Regular Cleaning of a DuRa Finish COMMERCIAL Floor

Given that commercial floors are frequently cleaned, often on a daily basis, and sometimes by third-party contractors, it is important that proper cleaning procedures be observed at all times:

- DO NOT Wet Mop floors, or use Steam Cleaners on wood floors.** Water from wet mops or steam cleaners can seep down into the grooves and spaces between individual planks and can cause irreparable damage.
- If cleaning is done with a vacuum, use only a soft brush attachment. Use the vacuum to capture dirt and sand, and to clean out the grooves between planks. Be mindful to use a plastic attachment when vacuuming in corners and hard to reach areas, and to avoid scratches from any hard metal ends. **DO NOT** use a vacuum with a beater bar attachment as this can cause damage to the floor's finish.
- If cleaning is done with a broom, sweep with a soft, fine bristle broom, removing grit before it can scratch or mark the floor.
- For thorough cleaning, use an all-purpose floor cleaning kit such as Bona Hardwood Floor Cleaner with Bona Hardwood Floor Mop, or equivalent, that is NWFA approved. Clean as needed. **NEVER** use wax, oil-based detergent or any general-purpose household cleaner.
- Since water is incompatible with wood floors, it is important to clean up any spills immediately. Wipe up with a soft dry cloth or very carefully remove with a wet/dry vacuum. Make sure to dry thoroughly without blasting heat directly on the surface.

Refinishing a DuRa Finish COMMERCIAL Floor

DuRa Finish COMMERCIAL is a hard, abrasion resistant coating that is not easily removed from the surface of wood. It is nonetheless possible for professional wood flooring refinishers to remove the finish by using specialized floor sanding equipment. When the entire finish is removed, in what is known as a "sand and refinish" process, all of the finish, including the stain and the wood's original texturing will be removed via heavy-duty sanding equipment. This process will often remove 1mm or more of the floor's overall thickness, and is usually only required when the finish is severely degraded, or for when it is required to change the floor's stain colour or wood texturing. In instances where the surface of the floor is only moderately worn, and the underlying stain remains unaffected, it is often possible to do what is referred to as a "screen and recoat", whereby new surface coatings are added to the existing finish. It is possible to successfully do a screen and re-coat on a DuRa Finish COMMERCIAL floor, but it is strongly recommended to do isolated testing first before attempting the procedure on an entire floor. Once the finish of a floor begins to experience significant wear, it is highly recommended to rejuvenate the finish through the relatively simple screen and recoat process as opposed to waiting until there is complete wear-through in some areas, which will cause damage to the stain and surface of the wood, and therefore necessitate the more extensive sand and refinish process.

