

Durex® Dur-A-Comfort ERGO System

Ergonomic & Sound Absorbing Polyurethane Resilient Floor System (4mm)

- Description** Durex® Dur-A-Comfort ERGO is seamless, 4mm thick polyurethane based ergonomic, sound absorbing comfort floor system that features an absorbing 2mm shock absorbing membrane for user comfort and sound absorption. Durex® Dur-A-Comfort ERGO is designed and engineered for dry areas as laboratories, corridor areas, and a variety of institutional and healthcare settings. Easy to overcoat and repair. Available in solid colour (standard finish) or multi-effect finishes (DecoArt).
- Uses** Durex® Dur-A-Comfort ERGO System is used as decorative and protective ergonomic flooring system for dry areas that will be exposed to higher traffic where sound absorption and user comfort is desired. It is best used for health care, institutional and office flooring applications where high a seamless flooring system with sound deadening properties is required.
- Ideal For**
- . Laboratories
 - . Hospital Main Corridors (dry areas)
 - . Retail and Commercial Applications
 - . Hallways
 - . Recreational facilities
 - . Public institutions and buildings
 - . Offices
- Features**
- . Ergonomic and soft 2mm membrane; noise reduction
 - . Available in a multitude of decorative finishes
 - . High performance, aesthetically pleasing, durable finish
 - . Easy and quick to install
 - . Long term service life
 - . Easy to recoat and repair
 - . Thin, lightweight seamless flooring system, easily upturned to create curbs and containment areas
 - . Will not support growth of fungus or bacteria
 - . Excellent abrasion and slip resistance
 - . Easy to clean and to maintain
 - . CFIA approved and USDA accepted

TECHNICAL DATA

| PHYSICAL PROPERTIES | |
|----------------------------|---|
| Colour | Standard Finish: Solid Colour. DecoArt Finish: Variety of Designs & Colours |
| Coverage | Durex® Dur-A-Comfort Primer 5 m ² /L (200 ft ² /gal) @ 8 mils |
| | Durex® Dur-A-Comfort Membrane 2.0kg/m ² (95 ft ² /20 kg kit) @ 2mm (80 mils) |
| | Durex® Dur-A-Comfort Self-Leveling Durex® Dur-A-Comfort Self Leveling (or Durex® Dur-A-Comfort DecoArt: 3.0kg/m ² (70 ft ² /20 kg kit) @ 2mm (80 mils) |
| | Durex® Dur-A-Comfort Top Coat 0.1 kg/m ² (400 ft ² /gal) @ 3 mils WFT (2 coats) |
| Mix Ratio | Refer to Product TDS Sheet |
| Pot Life | Refer to product TDS Sheet |
| Chemical Resistance | Contact Durabond for specific information |

| PERFORMANCE PROPERTIES | TEST METHOD | RESULTS |
|---------------------------------|---------------|---|
| Percent Solids | ASTM D7232-06 | 100% |
| Shore Hardness A | ASTM D2240 | 83 |
| Sound Dampening | | <30 db |
| Suitable for Underfloor Heating | | Yes |
| Abrasion Resistance | ASTM D4060 | (-0.03g) C5-17/ 1000 rotations/ 1000g |
| Impact Strength | ASTM D4226 | 167 in./ lbs. |
| Residual Impression | ASTM D4226 | 0.05mm (360kg load) |
| Tensile Strength | ASTM F970 | 1,454 psi. (~ 10.0 N/mm ²) |
| Tensile Adhesion Strength | ASTM 4541 | > 500 psi. (3.5 MPa) (concrete failure) |
| Tear Strength | ASTM D624 | 153.36 lb./in. (~27 N/mm 14 days) |
| Elongation at Break | ASTM D412 | 195% |
| Crack Bridging Ability | ASTM C1305 | Passed |
| External Fire Performance | ASTME648 | Class I |
| Gloss Level | ASTM D-523 | 10 (60 Degrees) |
| Coefficient of Friction | ANSI 326.3 | 0.6 |

Packaging Durex® Dur-A-Comfort ERGO System is packaged separately per individual product. This product is available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to the respective Durex® Dur-A-Comfort *Colour Selection Guide* for all available colour options.

Storage Conditions Store Durex® Dur-A-Comfort ERGO System in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials as ambient temperatures above 10 degrees C and below 35 degrees C. **KEEP FROM FREEZING.**

Surface Preparation Concrete substrate must be prepared to ICRI CSP 3. For best results surfaces shall be mechanically abraded and be sound, clean, properly prepared, and free from hydrostatic pressure and high levels of moisture vapour transmission. Do not apply this or any impermeable finish over an on-grade slab with moisture levels above 4% by weight (Durex® Epotel Moisture Block may be used for moisture content up to 6%, always consult your Durabond representative prior to use). Repair floor areas with Durex® Duracrete Trowel or Durex® Dur-A-Patch RS-45. Integral cove base shall be installed prior to flooring. Contact Durabond for any questions.

Application Durex® Dur-A-Comfort ERGO System is installed at a nominal 4mm thickness; consisting of a special primer, Durex® Dur-A-Comfort Primer; a high-quality self leveling ergonomic later, Durex® Dur-A-Comfort Self Leveling and a high-performance sealer Durex® Dur-A-Comfort Top Coat. A variety of top coat components can provide a solid or decorative colour scheme in, matte or eggshell. Slip resistance can be enhanced with the addition of Level 4, ultra fine anti-slip.

Step 1 PRIMER: Durex® Dur-A-Comfort Primer. Premix components A and B with a low-speed drill equipped with a non-air entraining paddle mixing blade for two minutes. Pour onto substrate in ribbons and apply with squeegee. Cut in with brush, and back roll with a short nap roller. Do not allow material to pond. Shall be applied to a thickness of 8 mils, but will vary depending upon the condition of the substrate.

Step 2 SOUND ABSORBING MEMBRANE: Within a 24-hour period, apply Durex® Dur-A-Comfort Membrane refer to the respective Technical Data Sheet for mixing and application instructions. Once mixed, apply Durex® Dur-A-Comfort Membrane at a thickness of 4mm

Step 3 DECORATIVE SELF LEVELING LAYER: Within a 24-hour period, apply Durex® Dur-A-Comfort Self Leveling or Durex® Dur-A-Comfort DecoArt, refer to the respective Technical Data Sheet for mixing and application instructions. Once mixed, apply Durex® Dur-A-Comfort Self Leveling at a thickness of 3mm.

Step 4 TOP COAT: Within a 24-hour period, apply Durex® Dur-A-Comfort Top Coat (or recommended) refer to the respective Technical Data Sheet for mixing and application instructions. Apply two coats. For additional anti-slip add recommended slip resistant aggregate. Contact a Durabond Technical Representative for details.

Care & Maintenance Newly installed floors should be cured a minimum of 48 hours at 20°C (70°F) before wash-downs. Only warm water should be used to clean within the first week. If the use of a detergent is absolutely necessary during the first week, use a non-chlorine cleaner dissolved in water. Good housekeeping practices and spill removal will prolong the service life of the floor. While polymer flooring often requires less maintenance than other finishes, cleaning and stain removal must be performed. Stains should be removed as soon as possible.

Limitations Durex® Dur-A-Comfort ERGO System is impermeable. Test all concrete slabs on grade for moisture content. Product should only be installed if moisture content falls within an acceptable range. Minimum application temperature is 8°C (45°F). Below 15°C (62°F), handling characteristics are affected, and cure times are lengthened. Chemical exposure, service temperatures, mechanical abuse, and housekeeping influence service life. The project depending on chemical exposure may require Durex® Chemical Resistant Coatings. For installations exposed to UV, the self-leveling coat is to be replaced with a UV resistant coating. Please consult your Durabond Technical Representative for further details.

Health and Safety Read and follow the Safety Data Sheet prior to use. Avoid contact with eyes and prolonged contact with skin. Wear protective clothing and face protection at all times while handling, mixing and applying the products. If contact occurs, flush immediately and seek medical advice if irritation occurs. Extremely harmful if swallowed. Keep product out of reach of children. Read published safety data sheets for additional information.

Warranty Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.

Technical Services Technical support is available upon request at info@durabond.com. For the latest version of this data sheet, please visit our website at www.durabond.com, call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd. sales representative.



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