

# Durex® Komfort SPORT System

## Multi-Purpose Sports/Ergonomic Seamless Polyurethane Flooring System (8mm)

<b>Description</b>	Durex® Komfort SPORT is a seamless, 8mm thick, polyurethane based soft ergonomic and elastic sports floor system featuring a 6mm membrane designed specifically for sport court applications. Durex® Komfort SPORT offers high levels of comfort and user safety levels with excellent durability for sport courts. Recommended for sports facilities, schools, dance halls, playgrounds and fitness centers and other areas where shock and sound absorbing properties are desired for a sport environment. Easy to overcoat and repair.
<b>Uses</b>	Durex® Komfort SPORT System is a multi-purpose sports flooring system with vertical deformation for increased user comfort and safety. Durex® Komfort SPORT is recommended for multi-sport indoor applications including Basketball, Volleyball, Aerobics and general training. Durex® Komfort SPORT can also be used as an enhanced ergonomic floor for Child Care Centres and Operating Rooms.
<b>Ideal For</b>	<ul style="list-style-type: none"> <li>• Multi-Use Sport Court Applications &amp; Gymnasiums</li> <li>• Child Care Centres &amp; Operating Theatres</li> <li>• Public institutions and buildings</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• 6mm thick membrane - Enhanced vertical deformation &amp; ergonomics</li> <li>• High performance, aesthetically pleasing, durable finish designed for sports flooring</li> <li>• Easy and quick to install, recoat and repair</li> <li>• Long term service life</li> <li>• Will not support growth of fungus or bacteria</li> <li>• Excellent abrasion and slip resistance</li> <li>• Easy to clean and to maintain</li> <li>• CFIA approved and USDA accepted</li> </ul>

### TECHNICAL DATA

PHYSICAL PROPERTIES		
<b>Colour</b>	Standard Finish: Solid Colour Durex® DecoArt Finish: Variety of Designs & Colours	
<b>Coverage</b>	<b>Durex® Komfort Primer</b>	5 m <sup>2</sup> /L (200 ft <sup>2</sup> /gal) @ 8 mils
	<b>Durex® Komfort Membrane</b>	9.0kg/m <sup>2</sup> (22 ft <sup>2</sup> /18 kg kit) @ 6mm (240 mils)
	<b>Durex® Komfort Self-Leveling</b>	Durex® Komfort Self Leveling (or Durex® Komfort DecoArt: 3.0kg/m <sup>2</sup> (72 ft <sup>2</sup> /20 kg kit) @ 2mm (80 mils)
	<b>Durex® Komfort Top Coat</b>	0.1 kg/m <sup>2</sup> (400 ft <sup>2</sup> /gal) @ 3 mils WFT (2 coats required)
<b>Mix Ratio</b>	Refer to Product TDS Sheet	
<b>Pot Life</b>	Refer to product TDS Sheet	
<b>Chemical Resistance</b>	Contact Durabond for specific information	

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	100%
Shore Hardness A	ASTM D2240	83
Sound Dampening		20 db
Suitable for Underfloor Heating		Yes
Abrasion Resistance	ASTM D4060	(-0.03g) C5-17/1000 rotations/ 1000g
Impact Strength	ASTM D4226	167 in./ lb.
Residual Impression	ASTM D4226	0.05mm (360kg load)
Tenile Strength	ASTM F970	1,454 psi. (~ 10.0 N/mm <sup>2</sup> )
Tensile Adhesion Strength	ASTM D4541	> 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	ASTM E648	Class I
Gloss Level	ASTM D-523	10 (60 Degree)
Coefficient of Friction	ANSI 326.3	0.6

**Packaging** Durex® Komfort SPORT 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® Komfort *Colour Selection Guide* for all available colour options.

**Storage Conditions** Store Durex® Komfort SPORT 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). Prime area with Durex® Epotel Multi-Prime. If cove base is specified, it should be installed first.

**Application** Durex® Komfort SPORT System is installed at a nominal 8 mm thickness; consisting of a special primer, Durex® Komfort Primer; a sound absorbing membrane, Durex® Komfort Membrane; a high-quality self leveling ergonomic later, Durex® Komfort Self Leveling and a high-performance sealer Durex® Komfort 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® Komfort 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 LOAD ABSORBING MEMBRANE:** Within a 24-hour period, apply Durex® Komfort Membrane refer to the respective Technical Data Sheet for mixing and application instructions. Once mixed, apply Durex® Komfort Membrane at a thickness of 6mm

**Step 3 DECORATIVE SELF LEVELING LAYER:** Within a 24-hour period, apply Durex® Komfort Self Leveling or Durex® Komfort DecoArt, refer to the respective Technical Data Sheet for mixing and application instructions. Once mixed, apply Durex® Komfort Self Leveling at a thickness of 2mm.

**Step 4 TOP COAT:** Within a 24-hour period, apply Durex® Komfort Top Coat Matte (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.

**Step 5**

**LINE MARKING:** Within a 24-hour period, apply Durex® Komfort Line Marking (or recommended) refer to the respective Technical Data Sheet for mixing and application instructions. Contact a Durabond Technical Representative for details or further line taping options.

<b>Care &amp; Maintenance</b>	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 regulated 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.
<b>Limitations</b>	Durex® Komfort SPORT 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.
<b>Health and Safety</b>	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.
<b>Warranty</b>	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.
<b>Technical Services</b>	Technical support is available upon request at <a href="mailto:info@durabond.com">info@durabond.com</a> . For the latest version of this data sheet, please visit our website at <a href="http://www.durabond.com">www.durabond.com</a> , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd. sales representative.

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